

**DALIM BASU** MBE FBCS CITP

Chairman, London Branches (London North, Central & South Branches)

# *Challenges*

A. BCS & London Branches, B. SDGs, C. BCS London Branches initiatives & events, D. Jobs, E. You

With Thanks to Dr Neil Barnatt, CITP CEng MBCS, Chair of BCS Nottingham and Derby Branch



<https://www.redbubble.com/i/t-shirt/the-end-is-nigh>



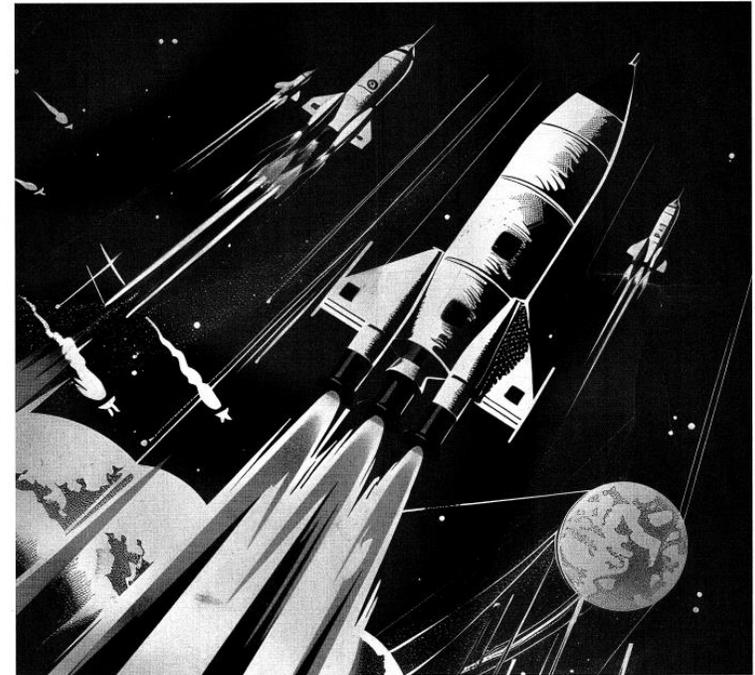
[https://www.etsy.com/listing/781585717/elon-musk-occupy-mars-t-shirt?](https://www.etsy.com/listing/781585717/elon-musk-occupy-mars-t-shirt?ref=shop_home_active)

SUMMER 2024

# ITNOW

THE MAGAZINE FOR THE IT PROFESSIONAL

AVIATION • SPACE • PROFESSIONALISM



## IT TAKES TO THE SKY



**MAKING IT GOOD FOR SOCIETY**

Join us in creating a diverse IT profession that's competent, ethical, accountable and working together to solve today's biggest challenges



**Sharron Gunn BFP, MBCS, FCA** 

1st

Group Chief Executive Officer of BCS, The Chartered Institute for IT.



BCS, The Chartered Institute for IT



**Joanna Quirk FCA**  · 1st

Experienced Chief Operating Officer/ Chief Finance Officer





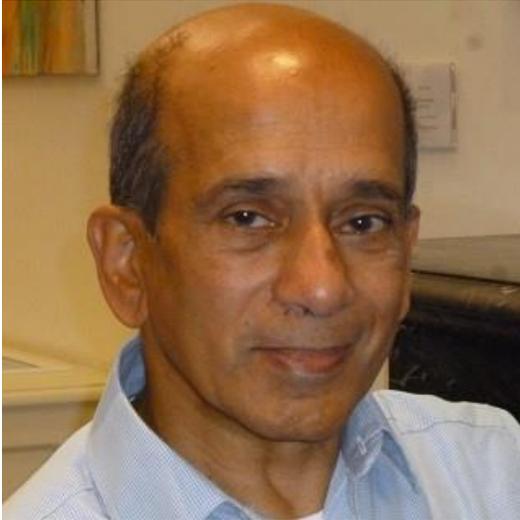
## BCS appoints Sharron Gunn as Group CEO



It is a huge privilege to be asked to lead the professional body for IT, at a time when emerging technologies like AI and quantum computing are transforming society and the economy. Even in the age of AI, technology is about the people leading and creating it. I want to make sure anyone working in a technology role can consider BCS their professional home. Joining our incredible membership community, including Fellowship, should be within reach of the broadest possible range of people.



**Sharron Gunn FCA MBCS**  
BCS Group CEO



**DALIM BASU** MBE FBCS CITP

Chairman, London Branches (London North, Central & South Branches)

BCS, the Chartered Institute for IT, includes many voluntary member groups, with a shared aim of “making IT good for Society”.

The BCS London Branches community comprises 3 BCS groups – North, Central and South London Branches, with the ability to reach almost 10,000 of the 70,000 BCS members. We have associations to many other Branches and Specialist Groups, and with external organisations. The London Branches ran over 40 events in 2023, and almost as many in 2024. Events were delivered in up to three formats – ‘in-person’, ‘hybrid’ and especially by live webinar.

Our range of initiatives involves our great committees of enthusiastic volunteers. Our initiatives include **‘AI’, ‘Business & Business Analysis’, ‘Cloud’, ‘Cyber & Security’, ‘Data’, ‘Diversity’, ‘Early Careers’, ‘Eco’, ‘HEIT’ (Higher Education IT), ‘Quantum’, ‘Recruit’ and ‘Risk’.**

We showcase a wealth of IT-related experience, capabilities, innovation and entrepreneurship.

A. BCS & London Branches A2. London Branches

Event ID	Initiative	Date	Day	Format	Event Title
41	-- [AGM]	19/12/2024	Thu	Webinar	London Central AGM
40	-- [AGM]	16/12/2024	Mon	Webinar	NLB AGM
39	AI	12/12/2024	Thu	Webinar	AI tech talk: Understanding LLMs, Exploring Attacks and Applicable Defences
38	--'	20/11/2024	Wed	Hybrid	UKsec Summit (BCS Partnership) 20-21 Nov
37	Soft skills, AGM	20/11/2024	Wed	In-person	How hybrid working can lead to disaster + London South AGM
36	Diversity, AI	19/11/2024	Tue	Webinar	To AI via Ethics, Tech & Engineering with Jo Stansfield (small room)
35	Data, Security	13/11/2024	Wed	Hybrid	The Future of Data Security – A Practical Guide to Safeguarding Sensitive Information
34	AI, Risk	07/11/2024	Thu	Webinar	AI Risks (including How to Hack ChatGPT)
33	MedTech	29/10/2024	Tue	Webinar	Non-invasive Neuroadaptive Brain-Computer Interfaces
32	Management	25/10/2024	Fri	Hybrid	Exploring the Future of Technology and Leadership
31	Early Careers, Data	17/10/2024	Thu	Hybrid	Early Careers Q&A - How to become a Data Consultant
30	Eco	07/10/2024	Mon	Webinar	Recycle Your Electricals and the use of AI in handling e-waste
29	Management	03/10/2024	Thu	Webinar	How "Big" Ruins "Tech"
28	Diversity	25/09/2024	Wed	Hybrid	Wominspiration - Beth Clarke interviewed by Jo Stansfield
27	AI	16/09/2024	Mon	Webinar	AI Hardware – A look at the Past, Present and The Future
26	Diversity	09/09/2024		Hybrid	Wominspiration+ - Emma Logan & Jasmine Taylor of KPMG
25	AI, Cloud, Cyber	28/08/2024	Wed	Webinar	Cyber, Cloud, Compliance – and AI
24	Data	07/08/2024	Wed	Hybrid	Data Needs Testing Too

23	Soft skills	24/07/2024	Wed	Hybrid	Behaviours and Team-Building
22	AI, HEIT	27/06/2024	Thu	Webinar	Generative AI & Deepfakes: Ethical Issues & Detection Techniques
21	Diversity, Cyber	25/06/2024	Tue	Webinar	Wominspiration, Cyber Insights and Team Dynamics - Wendy Goucher FBCC interviewed by Jo Stansfield
20	AI, HEIT	20/06/2024	Thu	Webinar	Exploring the Relationship between Deepfakes and Generative AI
19	AI, Quantum	12/06/2024	Wed	Hybrid	Where does Quantum meet AI?
18	AI	06/06/2024	Thu	Hybrid	AI, Ethics and You: Ethical AI - Innovating responsibly
17	Diversity	28/05/2024	Tue	Hybrid	Wominspiration: Lella Halloum Interviewed by Jo Stansfield
16	Early Careers	23/05/2024	Thu	Webinar	A* CV and LinkedIn Profile
15	Early Careers	30/04/2024	Tue	Hybrid	Early Careers - STEM at primary school - 'Train kids for IT'
14	Diversity	23/04/2024	Tue	Webinar	Wominspiration: Judith Blanco - A view from Peru interviewed by Diana Cojocar
13	AI, Data	27/03/2024	Wed	Hybrid	AI + Data + CRM + Trust
12	Diversity	19/03/2024	Tue	Webinar	Wominspiration - Nicola Martin interviewed by Jo Stansfield
11	-- SPA SG (Immo)	07/03/2024	Thu	Hybrid	Software Estimation - evidence for and against common practices
10	Data	06/03/2024	Wed	Hybrid	Data Governance: How does personal data impact the IT department?
9	AI, Business	01/03/2024	Fri	Hybrid	AI & Business Analysis
8	Cyber, Early Careers	22/02/2024	Thu	Webinar	How to get your first Cyber Security Job
7	-- [AGM]	19/02/2024	Mon	Webinar	NLB AGM
6	AI	19/02/2024	Mon	Hybrid	AI Demonstration for All: its benefits and dispelling Fears
5	AI	15/02/2024	Thu	Hybrid	Using LLMs for purposeful AI conversations in the enterprise
4	-- SPA SG (Immo)	07/02/2024	Wed	Hybrid	Kotlin - bits of history
3	-- [AGM]	05/02/2024	Mon	Webinar	London South AGM
2	Soft skills	30/01/2024	Tue	Hybrid	Do You Walk or Talk People Centric Change?
1	Diversity	08/01/2024	Mon	Webinar	Wominspiration: Holly Porter, Managing Director at BCS

- Goal 1 No poverty.....
- Goal 2 Zero hunger.....
- Goal 3 Good health and well-being.....
- Goal 4 Quality education.....
- Goal 5 Gender equality.....
- Goal 6 Clean water and sanitation.....
- Goal 7 Affordable and clean energy.....
- Goal 8 Decent work and economic growth.....
- Goal 9 Industry, innovation and infrastructure.....
- Goal 10 Reduced inequalities.....

## United Nations SDGs

### 28 June 2024: *The Sustainable Development Goals Report 2024*

<https://unstats.un.org/sdgs/report/2024/>

- Goal 11 Sustainable cities and communities.....
- Goal 12 Responsible consumption and production ..
- Goal 13 Climate action.....
- Goal 14 Life below water.....
- Goal 15 Life on land.....
- Goal 16 Peace, justice and strong institutions.....
- Goal 17 Partnerships for the Goals.....

2019



COMMITTED TO IMPROVING THE STATE OF THE WORLD

As part of Frontier 2030: Fourth Industrial Revolution for Global Goals Platform

# Unlocking Technology for the Global Goals

In collaboration with PwC

January 2020



**Cloud and internet access**

More than 80% of the technology applications identified across the Goals rely on internet access

**Electricity access**

More than 90% of the technology applications identified across the Goals rely on electricity access

## Annex 2: The core Fourth Industrial Revolution technologies considered in this report



### Artificial intelligence

Software algorithms capable of performing tasks that normally require human intelligence, e.g. visual perception, speech recognition and decision-making



### Blockchain

Distributed electronic ledger that uses software algorithms to record and confirm transactions with reliability and anonymity



### Internet of things

Network of objects embedded with sensors, software, network connectivity and computer capability that can collect and exchange data over the internet and enable smart solutions



### Big data

Extremely large datasets that may be analysed computationally to reveal patterns, trends and associations



### Advanced materials

Materials with significantly improved functionality, including lighter weight, stronger, more conductive materials, e.g. nanomaterials and high-energy density batteries



### Robotics

Electro-mechanical machines or virtual agents that automate, augment or assist human activities, autonomously or according to set instructions



### Augmented/virtual reality

Computer-generated simulation of a three-dimensional image overlaid on the physical world (AR) or a complete environment (VR)



### 3D printing

Additive manufacturing techniques used to create three-dimensional objects based on "printing" successive layers of materials



### Drones

Enabled by robotics, vehicles that can operate and navigate with little or no human control. Drones fly or move without a pilot and can also operate autonomously



### 5G

Latest iteration of cellular network providing significantly faster speeds and bandwidth and shorter delays, as well as improved battery life and portability



### Synthetic biology

Interdisciplinary branch of biology applying engineering principles to biological systems

+ Quantum



## BCS London Quantum Interest Group

### What is Quantum Computing?

Presentation and Questions with guest speakers from IBM, QURECA and Riverlane

Tuesday 23<sup>rd</sup> May 2023 18:30-19:30 UK time

Free hybrid event. All welcome. Registration via [nlondon.bcs.org](https://nlondon.bcs.org) 'Events'



**Kate Marshall**  
Software Engineer &  
Global Technical Quantum  
Ambassador Lead



Kate is an IT architect, developer and DevOps engineer with a deeply technical background in Physics, and specifically quantum theory, communication and computation. She is currently working as a software engineer for IBM Quantum, building the software used to facilitate experiments and programmes run on real IBM quantum hardware. Kate also leads the global team of technical IBM Quantum Ambassadors, working directly with clients to help them understand the industry impact of quantum computing. Outside of IBM, she is a member of the BCS London committee and leads the *Global Tech Advocates* Quantum Working Group.



**Rossy Nhung Nguyen**  
Senior Product Manager



Rossy is an experienced technical product manager in the deep tech industry with a track record of successfully developing and productizing advanced AI and ML solutions. She has collaborated with diverse clients in various sectors such as banking, credit insurance, and electricity transmission. At Riverlane, she is driving the development of the company's quantum error correction solutions. Rossy is dedicated to accelerating Riverlane's customers' progress towards achieving fault-tolerant quantum computing sooner. In addition to her work at Riverlane, Rossy is the president of OneQuantum Vietnam and a mentor for Women in Quantum (WIQ), deeply committed to promoting a diverse and inclusive quantum community and empowering the next generation of female leaders.



**Adriana Tan**  
Recruitment &  
Relationship Manager



Adriana is a client-centric person that comes from a background in HR and Client Relations. She started her career with the biggest bank in Malaysia over fifteen years ago and has since moved on to work in various industries over three continents. She is passionate about building relationships, making a difference in people's lives, and supports Qureca in the areas of Recruitment and Relationship Management.

# Fake News ....Really?

**bcS** North London Branch [NLB]  
 The Chartered Institute for IT  
 In association with London Central Branch

WEDNESDAY 2ND JUNE 2021  
18:30 - 20:00 ONLINE

FREE EVENT. ALL WELCOME.

REGISTRATION VIA [WWW.NLONDON.BCS.ORG/EVENTS](http://WWW.NLONDON.BCS.ORG/EVENTS) OR AT [WWW.EVENTBRITE.CO.UK/E/FAKE-NEWS-REALLY-DISINFORMATION-WARFARE-THE-WAR-OF-HOAXES-TICKETS-142869736227](http://WWW.EVENTBRITE.CO.UK/E/FAKE-NEWS-REALLY-DISINFORMATION-WARFARE-THE-WAR-OF-HOAXES-TICKETS-142869736227)



## DISINFORMATION WARFARE: THE WAR OF HOAXES

- THE WORLD WIDE WEB IS THE HOME OF DISINTERMEDIATION, IT HAS NO FILTERS AND GIVES ANYONE THE RIGHT TO SPEAK.
- DISINFORMATION IS AN INSTRUMENT OF POWER AND COMPETITIVE STRUGGLE THAT IS USED IN THE MOST VARIED FIELDS.
- IT'S THEREFORE IMPORTANT TO UNDERSTAND THE MECHANISMS AND DYNAMICS OF THE WEB, AND HOW TO RECOGNISE AND COMBAT THE FAKE NEWS. THIS IS NOT ONLY TO PROTECT OUR PRIVACY, BUT ALSO TO SAFEGUARD OUR JUDGEMENT, INTEGRITY, ETHICS AND AUTONOMY IN DECISIONS ABOUT FAKES, DISINFORMATION AND MISINFORMATION.

### WITH PROFESSOR CLAUDIO CILLI, UNIVERSITY OF ROME

PHD, FBCS, CIA, CISA, CISM, CGEIT, CRISC, CDPSE, CSX-P, CISSP, CSSLP, HCISPP

PROFESSOR CILLI IS A WORLD LEADING AUTHORITY IN THE AREAS OF NATIONAL SECURITY AND INTELLIGENCE, COMPANY PROTECTION, INFORMATION SYSTEMS SECURITY AND COMPLIANCE, WITH OVER 25 YEARS OF EXPERIENCE. HE ADVISES GOVERNMENTS AND INTERNATIONAL ORGANISATIONS ABOUT CYBERSECURITY AND CRITICAL INFRASTRUCTURE ASPECTS.





On October 10 and 12, 2022, a multi-stage attack on Ukraine's power system took place. On the first day of massive missile strikes against **Ukraine's energy infrastructure**, malicious code disabled part of the substations simultaneously with the missile strikes.



On December 12, 2023, a major outage occurred in the operations of Ukraine's largest **telecommunications operator, Kyivstar**. Across the country, Kyivstar subscribers lost mobile service and internet access, and users were unable to switch to other networks through domestic roaming. The outage affected **24 million subscribers**. As a result of the cyberattack, POS terminals and ATMs of some banks, air defence warning systems in several regions, and evening city lighting were also disrupted.

## Міністерство юстиції України

На сайті проводяться технічні роботи.  
The site is under technical maintenance.

Будь ласка, спробуйте завантажити сторінку пізніше.

Please try loading the page later.

0.9e1d1202.1734684154.1f34dcb 46.98.175.88

On January 2024, a large-scale cyberattack targeted Ukraine's **Ministry of Justice**. Several key registers, including the demographic, real estate, and legal entities registries, were taken offline. Over 4,000 notaries and tens of thousands of legal transactions were affected nationwide.

On May 2025, a cyberattack disrupted IT systems of **Ukrzaliznytsia, Ukraine's state railway operator**. Ticket sales, scheduling, and logistics were temporarily paralyzed. The incident affected over **1 million passengers** and delayed hundreds of freight operations nationwide.



Industrial  
Cyber

**EXCLUSIVE  
BREAKING  
NEWS**

**STORY UPDATED**



[From Claire Penketh FRSA MBCS • Policy and Public Affairs Manager at BCS](#)

Quote from her LinkedIn post 20.5.2025

“We have some fantastic members, and I'm always amazed at their dedication as volunteers.

I attended a cracking event at our London Offices, organised by BCS Fellows Mike Lloyd and [Dalim Basu MBE FBCS CITP](#), at which a former Ukrainian Deputy Energy Minister, [Ievgen Vladimirov](#) gave a chilling keynote on Russia's use of cyber-attacks and disinformation.

Now a cyber and national security expert, Ievgen explained how Russia's fake news and mis/disinformation campaigns, which began over a decade ago, were a forerunner to the hugely destructive cyberattacks on Ukraine's infrastructure and the eventual ground and air warfare.

Thanks, Mike and Dalim, for all your hard work putting on the event and for showing solidarity with Ukraine. It also featured, amongst others, [Steve Sands](#), another tireless BCS volunteer who has done much to shape our cyber policies and influence the government.”



# BCS – How to get your first Cyber Security job

22<sup>ND</sup> FEBRUARY 2024

**BOOK NOW ON EVENTBRITE TO OBTAIN YOUR VENUE TICKET OR ZOOM LINK: <https://londoncentral.bcs.org>**

**bcs**

The  
Chartered  
Institute  
for IT

London Central Branch  
&

London North Branch

#BCSWebinars  
@BCSLondon

Sarah Armstrong-Smith FBCS  
Chief Security Advisor at Microsoft

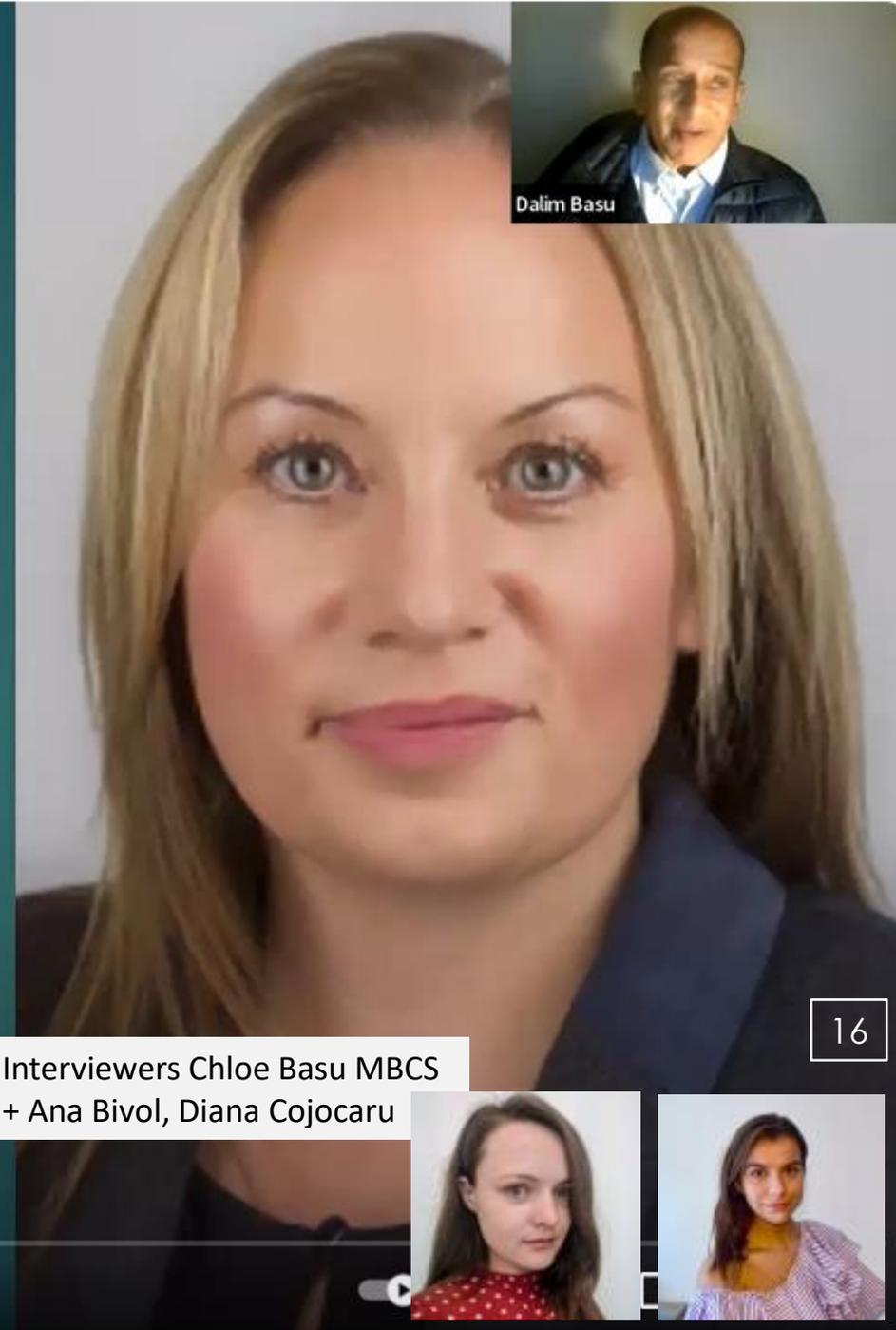
**WOMINSPIRATION FIRESIDE CHAT**

MONDAY 27<sup>TH</sup> FEBRUARY – 6:30PM – ONLINE ZOOM

BOOK NOW ON EVENTBRITE TO OBTAIN YOUR LINK

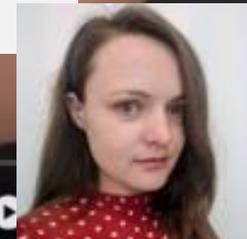
<https://londoncentral.bcs.org>

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16

Interviewers Chloe Basu MBCS  
+ Ana Bivol, Diana Cojocaru



Hybrid event by Kitty Hung 7.9.2023

Video link: <https://www.youtube.com/watch?v=Hm3tV1fOrWg>



**bcS**  
The Chartered Institute for IT

London Central & North Branches  
&  
Business Change Specialist Group

**The Role of Business Analysis  
in the Age of Generative AI**





AI tech talk: Understanding LLMs, exploring attacks and applicable defences | BCS London Branches

**BCS**

**London Branches**

North | Central | South

The  
Chartered  
Institute  
for IT



# AI tech talk: Understanding LLMs, exploring attacks and applicable defences

## Core skills in 2025

1.  Analytical thinking
2.  Resilience, flexibility and agility
3.  Leadership and social influence
4.  Creative thinking
5.  Motivation and self-awareness
6.  Technological literacy
7.  Empathy and active listening
8.  Curiosity and lifelong learning
9.  Talent management
10.  Service orientation and customer service

# Top 10 fastest growing skills by 2030

1.  AI and big data
2.  Networks and cybersecurity
3.  Technological literacy
4.  Creative thinking
5.  Resilience, flexibility and agility
6.  Curiosity and lifelong learning
7.  Leadership and social influence
8.  Talent management
9.  Analytical thinking
10.  Environmental stewardship

# Free AI Courses from LinkedIn



Horizon AI

Get free access to AI tutorials and guides on using popular AI tools at [joinhorizon.ai](https://joinhorizon.ai)

## What is Generative AI



**Pinar Seyhan Demirdag**  
Generative AI revolutionizes professions like photography did, shaping industries, rewarding early adopters. Join the journey!

★★★★★  
4.7 (55,990)

🕒 42m

## Introduction to Prompt Engineering



**Ronnie Sheer**  
Explore NLP basics and modern APIs with instructor Ronnie Sheer, covering text and image generation responsibly.

★★★★★  
4.7 (8,851)

🕒 44m

## AI Foundations



**Doug Rose**  
1950s AI evolves with recent hardware, exploring concepts, applications, and integration, led by instructor Doug Rose.

★★★★★  
4.7 (3,927)

🕒 1h 36m

## Introduction to AI



**Doug Rose**  
AI isn't just for computer scientists; project managers, directors, executives benefit too. This course demystifies AI for everyone.

★★★★★  
4.7 (23,000)

🕒 1h 34m

## Get Ready For Generative AI



**Ashley Kennedy**  
Discover the power of generative AI with Ashley Kennedy. Learn its workings, potential, and ethical considerations.

★★★★★  
4.3 (285)

🕒 5m 26s

## Generative AI For Business



**Tomer Cohen**  
Generative AI, a transformative force, reshapes industries and innovation. Learn its workings and potential impact.

★★★★★  
4.7 (9,072)

🕒 55m

## Tips For Using ChatGPT For Business



**Rachel Woods**  
Explore AI's power in business, mastering generative AI basics. Rachel guides ChatGPT usage for innovation and growth.

★★★★★  
4.7 (2,088)

🕒 11m

## NLP With Python for ML



**Derek Jedamski**  
Master text data analysis with Python and NLP. Derek Jedamski covers cleaning, ML classifiers, and model evaluation.

★★★★★  
4.8 (1,318)

🕒 4h 14m

## Research and Write using AI Tools



**Dave**  
Learn how ChatGPT enhances research and writing. Dave Birss shares prompt engineering strategies for improved outcomes.

★★★★★  
4.8 (11,792)

🕒 1h 15m

Note: not yet tried/tested by Dalim.  
Does it work for you?  
Any advice for others?  
Please tell - email [dalim.basu@bcs.org](mailto:dalim.basu@bcs.org)

# How To Learn Anything Faster Using ChatGPT For Free:

<b>Skill-Specific Learning</b>	"I want to learn [insert skill]. Act as a professional tutor and create a customized learning plan, including resources, exercises, and milestones. Break down the skill into manageable steps and provide actionable advice for progress."
<b>Learning Guide</b>	"Be a coach for learning [insert skill]. Suggest a daily routine, exercises, and evaluation methods to practice effectively. Include recommendations for online resources and strategies to overcome common challenges in learning this skill."
<b>Learning Through Examples</b>	Teach me [insert skill] through real-world examples and case studies. Start by explaining the basics and then show practical applications in different contexts."
<b>Customized Study Roadmap</b>	"I need a step-by-step roadmap to master [insert skill]. Include beginner, intermediate, and advanced levels with specific tasks and timelines."
<b>Accelerated Skill Acquisition</b>	"Help me learn [insert skill] quickly and efficiently. Design a condensed learning program that focuses on core principles, essential techniques, and practice hacks."
<b>Resource Curation</b>	"Compile a list of the best books, websites, videos, and courses to learn [insert skill]. Briefly explain why each resource is valuable and how to use it effectively."
<b>Correction</b>	"When learning [insert skill], what are the common mistakes people make? Provide tips to avoid these mistakes and strategies to correct them if encountered."
<b>Daily Challenges</b>	"Create a 30-day challenge to help me improve in [insert skill]. Each day should include a small task, a reflection prompt, or a new concept to practice."

[https://www.linkedin.com/posts/w-hatisaimedia\\_still-struggling-to-learn-new-skills-this-activity-7332692004394418176-pRiJ?utm\\_source=share&utm\\_medium=member\\_desktop&rcm=ACoA AAKW-4BgNi22SoOXjktPADF9JTA2Ba0XA](https://www.linkedin.com/posts/w-hatisaimedia_still-struggling-to-learn-new-skills-this-activity-7332692004394418176-pRiJ?utm_source=share&utm_medium=member_desktop&rcm=ACoA AAKW-4BgNi22SoOXjktPADF9JTA2Ba0XA)

**Note: not yet tried/tested by Dalim.  
Does it work for you?  
Any advice for others?  
Please tell - email [dalim.basu@bcs.org](mailto:dalim.basu@bcs.org)**

# 60 AI TOOLS

**Productivity**

- BeforeSunset AI
- Me Bot
- VoicePal
- NotebookLM
- Notion
- Otter AI
- ClickUp
- Monday
- Napkin AI
- Mem AI

**Marketing**

- Jasper
- Copy AI
- Writesonic
- SEO Bot
- Beehiiv
- Tweet Hunter
- Taplio
- Podnotes
- VidIQ
- Ahrefs

**Programming**

- Cursor
- Claude
- ChatGPT o4-mini-high
- Grok 3
- Github Copilot
- Windsurf
- Blackbox AI
- Devin
- Bolt
- Diamond

**Design**

- Midjourney
- Ideogram
- Microsoft Designer
- Canva
- OpenAI 4o Image Generation
- Adobe Firefly
- Playground
- Simplified AI
- Leonardo
- Uizard

**Video Creation**

- Veed
- Descript
- Invideo
- guidde
- Ossa
- Runway
- Kling
- Pollo AI
- Pictory
- HeyGen

**Sales**

- Chatsimple
- Instantly AI
- Superhuman
- Drippi AI
- Clay
- Gong
- Seamless AI
- Hubspot Sales Hub
- Folk
- Regie AI

[https://www.linkedin.com/posts/adam-bidd-im-sad-to-see-most-peoples-ai-knowledge-activity-7334549212396707840-dUqb?utm\\_source=share&utm\\_medium=member\\_ios&rcm=ACoAAAA4BgNi22SoOXjktP9JTA2Ba0XA](https://www.linkedin.com/posts/adam-bidd-im-sad-to-see-most-peoples-ai-knowledge-activity-7334549212396707840-dUqb?utm_source=share&utm_medium=member_ios&rcm=ACoAAAA4BgNi22SoOXjktP9JTA2Ba0XA)

Note: not yet tried/tested by Dalim.  
Does it work for you?  
Any advice for others?  
Please tell - email [dalim.basu@bcs.org](mailto:dalim.basu@bcs.org)

# 12 AI SKILLS TO LEARN IN 2025

By Andrew Bolis | Visit [FreeGuides.cc](https://FreeGuides.cc)

## 1. Prompt Engineering

Learn to write clear, task-specific prompts that help AI models like ChatGPT, Claude, and Gemini produce accurate and useful results.



## 2. AI Workflow Automation

Use tools like Zapier, Make, and n8n to connect apps and set up time-saving automation; no coding is needed.



## 3. AI Agents

Build multi-agent systems using platforms like LangGraph, AutoGen, and CrewAI to complete tasks that require reasoning, coordination, and memory.



## 4. Retrieval-Augmented Generation (RAG)

Connect AI models to your own data using different frameworks to generate more accurate, source-backed answers.



## 5. Multimodal AI

Use advanced models like ChatGPT, Claude, Gemini, and Grok that can understand text, images, code, and audio in a single chat.



## 6. Fine-Tuning and AI Assistants

Create domain-specific AI assistants or fine-tune models using platforms like OpenAI GPT Builder, Hugging Face, and Cohere.



## 7. Voice AI and Avatars

Generate realistic voiceovers and talking avatars for videos or training using tools like ElevenLabs, HeyGen, and Synthesia.



## 8. AI Tool Stacking

Combine platforms like Notion, ClickUp, Zapier, and Asana to build custom AI workflows across various tasks and automation.



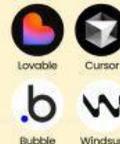
## 9. AI Video Content Generation

Turn text or scripts into videos using tools like Runway, VEED, and Opus. Add voice, edit scenes, and create content faster.



## 10. SaaS Development

Use no-code builders like Bubble, Cursor, and Lovable to build lightweight SaaS apps with AI features and real user workflows.



## 11. LLM Management

Track accuracy, latency, and cost using platforms like PromptLayer, Helicone, and TruLens to improve how your AI performs.



## 12. Staying Updated

Follow top tech sites like TechCrunch, The Verge, and MIT Tech Review to stay on top of news, product updates, and breakthroughs.

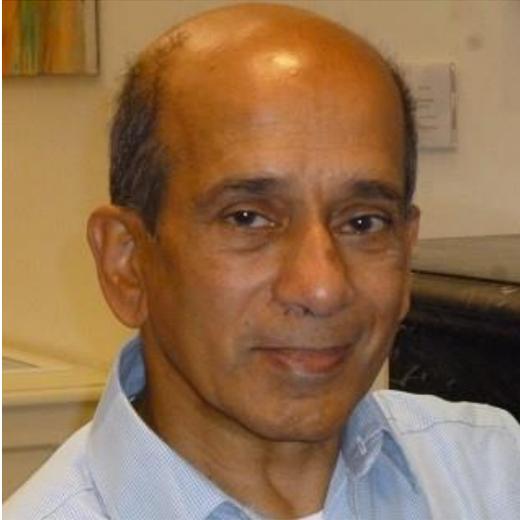


**Note: not yet tried/tested by Dalim.**

**Does it work for you?**

**Any advice for others?**

**Please tell - email [dalim.basu@bcs.org](mailto:dalim.basu@bcs.org)**



**DALIM BASU** MBE FBCS CITP

Chairman, London Branches (London North, Central & South Branches)

# *Challenges*

A. BCS & London Branches, B. SDGs, C. BCS London Branches initiatives & events, D. Jobs, E. You

With Thanks to Dr Neil Barnatt, CITP CEng MBCS, Chair of BCS Nottingham and Derby Branch



<https://www.redbubble.com/i/t-shirt/the-end-is-nigh>