

NEWS LETTER

VOLUME 01

BCS OSSG UK

OCT-DEC 2025



OSSG UK PAST EVENTS

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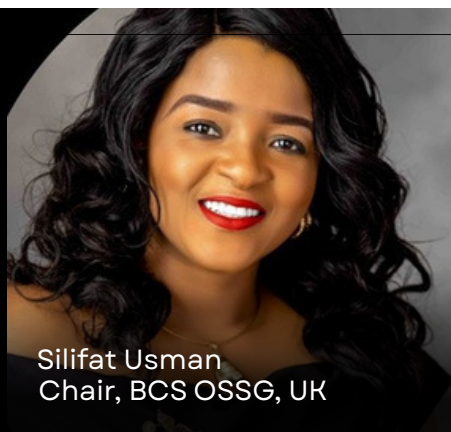
LET'S TALK OPEN SOURCE - Silifat Usman

It gives me great pleasure to welcome you to this edition of the BCS OSSG UK Newsletter. As an active community of professionals, practitioners, and enthusiasts, our strength lies in the shared belief that open source software is a catalyst for innovation, collaboration, and sustainable growth. The BCS continues to serve as a hub for knowledge exchange, networking, and thought leadership, ensuring that the open source ecosystem in the UK remains vibrant and impactful.

To stay updated with OSSG:

Members: Log into MyBCS and join Open Source SG from the specialist groups list.

Non-members: Email a blank message with "subscribe" in the subject to ossnonmem@lists.bcs.uk and confirm via the reply email.



Silifat Usman
Chair, BCS OSSG, UK

VOLUME 01

NOV-JAN 2026

Upcoming Events

Women in Open Source
30 Nov 2025, Scala
Programming Language,
27 Dec 2025, Vibe
Coding, using AI to build
App, 22nd Jan 2026.

JOIN OUR
COMMUNITY<https://www.linkedin.com/groups/13094344/>**- Pietra Ferreira**

Running sophisticated AI models on resource-constrained microcontrollers presents a major challenge. Our latest project tackles this head-on by modifying the ExecuTorch runtime to operate efficiently on "bare-metal" hardware without an operating system.

Our approach focuses on aggressive memory conservation by removing unused components, replacing complex libraries with simple implementations, and strategically placing data like model weights into the most effective memory regions, including small, fast-access memory. To maximize performance, we exploit hardware-supported quantization to balance model size with accuracy. Our system uses a three-part execution model, intelligently delegating tasks to the host CPU, accelerator CPUs, or custom hardware accelerators for optimal efficiency.

Meet The Team**Silifat Usman** | Chair**Jeremy Bennet** | Deputy Chair**Bob Eager** | Committee Member**David Pearson** | Treasurer**Dave Donaghy** | Joint Inclusion Officer**Harikrishnan Muthukrishnan** | Publicity**Meng Wu** | Early Career Advocate**Pietra Ferreria** | Mail Coordinator**Marc Goblot** | Joint Inclusion Officer**Donald Wu** | Membership Secretary**Ayodele Olubuse** | Communication Strategist**Vibe Coding *by*
David Pearson:**

Building Apps at the Speed of Imagination.

Artificial intelligence is being increasingly used as a tool to improve efficiency, innovation and drive outcomes more quickly at scale. The world of application development is starting to harness the emotional and create? vibe? of developers.

