# Ahmed Mohamed Haniffa Arfan

London, UK | ahmedmharfan@gmail.com | Linkedin | GitHub | Personal-Website

## EDUCATION

**University of Greenwich** London
*B.Eng in Computer Engineering - First Class* *Sep. 2021 – July 2024*

**Relevant Coursework**: Mobile Applications, Software Engineering, Computer Architecture, Operating Systems, Sensors and Networks, Advanced Mathematics, Web Systems Engineering, Network Routing Management.

**Achievements**: Merit award for outstanding achievement, Institute of Engineering and Technology (IET) Prize for Highest overall mark achieved Stage 3.

## EXPERIENCE

**Information Technology Support Staff** London
*University of Greenwich* *August 2024 – February 2025*

- Resolved 2,200+ support tickets, managing incidents related to hardware, software, and network systems using ITSM tools and Microsoft Entra ID.
- Delivered technical support via phones, emails and in-person across Windows/macOS platforms, streamlining account access, software installs, and user provisioning.
- Documented SOPs and contributed to knowledge base articles to improve support efficiency and reduce ticket resolution time.

## TECHNICAL SKILLS

**Languages**: Python, C#,, JavaScript, Typescript, HTML/CSS/SCSS
**Frameworks**: React, Next.js, Blazor .NET
**Tools**: Git, AWS, MongoDB, MS SQL Server, Figma, Docker, Three.js, GSAP, Node.js

## PROJECTS

**Troupe** | *MongoDB, Express.js, React.js, Node.js, Socket.io* April 2025
- Leveraged the **MERN stack** and **Socket.io** to build a real-time messaging platform.
- Employed **MongoDB** and **React.js** to develop a responsive UI and for enabling data persistence.
- Used **Express.js** to develop secure backend APIs with JWT authentication and AWS S3 integration, enabling secure file sharing for images, audio, and documents.

**EasyNote - Note App** | *C Blazor WebAssembly, AWS* February 2025
- Designed a frontend in **Blazor WebAssembly** to implement authentication and CRUD operations.
- Deployed serverless backend using **AWS SAM** with Lambda, API Gateway, DynamoDB, and Cognito.
- Integrated Cognito and DynamoDB via unified REST API calls to ensure consistent user data management.

**WorldShare** | *Next.js, MongoDB, GCP* October 2024
- Developed a **Social Media-style platform** where users can perform(**CRUD**) operation on posts and manage user profiles
- Built serverless APIs with **Next.js** and connected **MongoDB** for scalable data storage.
- Configured **Google OAuth** to streamline authentication, resulting in secure and user-friendly login functionality.

**High Performance Computer Cluster** | *Ubuntu, SLURM* March 2024
- Configured a **4-node cluster** in a DHCP network with PXE boot via NFS/TFTP for compute resource sharing.
- Implemented SLURM as a job scheduler for parallel task execution, following Agile practices for iterative configuration and testing.
- Automated parallel statistical computation over **10,000+** data samples, producing over **50** analytical plots.