Abdul Moiz Malik

+44 7882774739 | abdulmalik.org.uk | linkedin.com/in/abzimo.malik/ | github.com/abzymalik

EDUCATION

University of Surrey Sept 2024 – May 2028

B.Sc (Hons) Computer Science: 1st class | 1st year
- **Completed** key modules in Software Engineering, Object-Oriented Programming and Data Structures & Algorithms to build strong foundations in algorithmic problem-solving.
- **Elected** out of 300+ people to represent as a **Course Representative** for the Computer Science department.
- Assisted 100+ young upcoming students to Higher Education in outreach and widening participation as a **Student Ambassador**.
- **Invited** from my department cohort to attend Microsoft's Work Experience Day collaborating on an AI in Healthcare project and exploring diverse career paths through alumni talks and networking.

UTC Reading Sept 2022 – July 2024

GCE A-Levels: Further Mathematics (AS), Mathematics, Computer Science, Business Studies

EXPERIENCE

CompSoc Web Developer August 2025 – Present

University Of Surrey - Computer Science Society
- Developed and maintained the official CompSoc website using Nuxt.js (Vue.js), SCSS, and JavaScript
- Improved UX, performance, and mobile responsiveness in collaboration with the tech team
- Implemented state management with Vuex and followed best practices with ESLint/Prettier
- Managing site structure and event content while supporting CI/CD workflows on GitHub
- Applied engineering principles to improve scalability, reliability, and user experience for the society members.

IEUK Software Engineer Intern July 2025 – August 2025

Bright Network
- Analysed 430k+ HTTP server logs to detect malicious bot traffic for a startup case study
- Built a Python log parser applying observability techniques to identify malicious bot traffic patterns.
- Proposed a cost-effective mitigation plan (NGINX rate limiting, IP blocking, Cloudflare WAF) reducing 8.3% of traffic

Information Technology Support Specialist September 2024 – Present

University Of Surrey
- Communicate with managers to set up campus computers used on campus
- Assess and troubleshoot computer problems brought by students, faculty and staff
- Maintain upkeep of computers, classroom equipment, and 200 printers across campus

PROJECTS

Arabic YouTube Transcript Translator | *Python, Flask, React, PostgreSQL, Docker* August 2025 – Present
- Developed an AI-driven web app leveraging speech-to-text and translation models to transcribe and translate Arabic YouTube videos into timestamped transcripts (SRT, PDF, Markdown)
- Designed a REST API in Flask for handling video input, transcription, and translation requests
- Implemented a React front-end for uploading YouTube links and managing transcript output in multiple formats (SRT, PDF, Markdown)
- Integrated speech-to-text and translation APIs to ensure accurate transcription and real-time translation
- Applied GitHub OAuth authentication for secure user access and repository integration

Morse Decoder | *Embedded C, Raspberry Pi Pico (RP2040), 7-Segment Display* October 2024 – November 2024
- Collaborated in a group project to program the Raspberry Pi Pico in C to decode Morse input via button press timings with 100% accuracy against project requirements
- Displayed decoded output on both a 7-segment display and serial console in real time
- Integrated audio (buzzer) and visual (RGB LED) feedback for valid/invalid input detection
- Implemented a potentiometer-controlled timing system to dynamically adjust interpretation thresholds

TECHNICAL SKILLS

Languages: OOP, Java, Python, SQL (PostgreSQL), JavaScript, HTML/CSS
Frameworks & Libraries: Flask, FastAPI, React, Node.js, JUnit, pandas, NumPy, Matplotlib, TensorFlow, PyTorch
Developer Tools: Git, Docker, Google Cloud Platform, Microsoft Azure, VS Code, Visual Studio, PyCharm, Eclipse
Other Skills: Machine learning, Deep learning, Large Language Models (LLMs), REST API development, OAuth authentication, CI/CD workflows, Test-driven development (TDD), Agile teamwork