

Abdul Moiz Malik

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🌐 [Portfolio: abdulmalik.org.uk](https://www.abdulmalik.org.uk)

📍 Reading, UK

EDUCATION

University of Surrey

Sept 2024 – July 2028

*B.Sc (Hons) Computer Science: **First Class Honours, Deans List** / 1st year*

- **Completed** key modules in Software Engineering, Object-Oriented Programming, Data Structures & Algorithms and Web & Database Systems to build strong foundations in algorithmic problem-solving.
- **Elected** out of **300+** students to represent as the **Course Representative** for the Computer Science department.
- Assisted **100+** young upcoming students to Higher Education in outreach and widening participation as a **Student Ambassador**.

EXPERIENCE

Software Engineer Intern

September 2025 – Present

TidalTasksAI

- Achieved a **25%** increase in page load speed and higher engagement from **50+** active users through refactoring **12+** components and optimizing state management with React.
- Reduced server load by **20%** by eliminating **150+** redundant API requests using a Python script integrated with Firebase.

CompSoc Web Developer

August 2025 – Present

University Of Surrey - Computer Science Society

- Delivered and maintained user facing features for the society website through collaboration with committee members using React and JavaScript.
- Improved UX by working closely with designers and applying design driven development practices.

Software Engineer Intern

June 2023 – July 2023

Cisco

- Led a team project to build an AI powered confidence coaching app for interview preparation.
- Gained exposure to multiple departments including digital marketing and networking.

PROJECTS

Arabic YouTube Transcript Translator | *Python, Flask, React, PostgreSQL, Docker*

August 2025 – Present

- Achieved accessible and multilingual transcripts by converting Arabic YouTube videos into timestamped formats through automated speech-to-text and translation using Python, Flask, and Azure Speech/OpenAI APIs
- Improved user experience by enabling seamless video upload, transcript management, and export through a React frontend integrated with a PostgreSQL database and Docker deployment

Morse Decoder | *Embedded C, Raspberry Pi Pico, 7-Segment Display*

October 2024 – November 2024

- Achieved real-time Morse code decoding by processing button-timed inputs through embedded programming using C on Raspberry Pi Pico
- Enhanced interactivity and accuracy by delivering decoded output with 7-segment displays, buzzers, and RGB LEDs for user feedback

TECHNICAL SKILLS

Languages: Java (OOP), Python, JavaScript, SQL (PostgreSQL), HTML/CSS

Frameworks & Libraries: ReactJS, NodeJS, NextJS, Flask, FastAPI, pandas, Matplotlib

Developer Tools: Git, Docker, GitHub Actions (CI/CD), VS Code, Eclipse, Google Cloud Platform, Microsoft Azure

Other Skills: Machine Learning, Large Language Models, REST API Development, OAuth Authentication, Test-Driven Development (TDD), Agile Collaboration