

Toufeeq Mohammed

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EDUCATION

University of West London (UWL) – [Interim Transcript](#)

Bachelor of Science in Computer Science

London, UK

January 2023 – Present

- Pursuing First-Class Honours (equivalent to a GPA of 9/10)
- Relevant Coursework: High-Performance Computing, Distributed Systems, Algorithms & Data Structures, AI & Machine Learning, Software Engineering

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Redux Toolkit, GSAP, Figma

Testing & Tools: C++, Jenkins, Docker, CI/CD, AWS, Linux, Git, React Testing Library, Vercel

Backend: Python, Java, Django, FastAPI, MongoDB, MySQL, Firebase

Methodologies: Agile, Scrum, Unit Testing, Problem Solving

Databases: MySQL, MongoDB, Firebase, Oracle

EXPERIENCE

VENUZA Future Energy Ltd. – [Certificate](#)

Remote

Software Engineering Intern

Feb 2025 – Mar 2025

- Contributed to the development of a hydrogen energy management tool in the renewable energy sector.
- Built and tested energy simulation algorithms and developed back-end logic for feasibility analysis.
- Designed interactive UI interfaces and integrated data input-output for cost analysis and reporting.

Perfexion Information Technologies Pty Ltd.

Hyderabad, India

Web Development Intern

June 2023 – August 2023

- Built and maintained responsive web applications using React.js, JavaScript, and Django, improving page performance and user experience.
- Implemented new UI features that reduced load times by 15% and boosted engagement by 20%.
- Integrated RESTful APIs for scalable data handling and optimized front-end/back-end communication.

PROJECT EXPERIENCE

AI-Based Student Detection and Attendance Monitoring System – [GitHub](#)

- Developed an AI-driven classroom attendance system using YOLOv8, TensorFlow, and OpenCV to detect and count students in real time from live video feeds.
- Achieved ~93% mean average precision (mAP@0.5) and 27 FPS processing speed through optimized model fine-tuning and GPU acceleration.
- Implemented a full-stack web platform with Flask (Python) backend, React.js frontend, and MongoDB database for real-time data logging and dashboard visualization

Mystery Message Platform – [Link](#) – [GitHub](#)

- Developed a platform using Next.js, React, TypeScript, Tailwind CSS, MongoDB, and Next AUTH to enable anonymous messaging.
- Focused on security, scalability, and seamless user experience, ensuring robust authentication and efficient data management.

MyBlogs - Personal Blog Platform – [Link](#) – [GitHub](#)

- Developed a platform using Next.js, React, TypeScript, Tailwind CSS, MongoDB, and Next AUTH to enable anonymous messaging.
- Focused on security, scalability, and seamless user experience, ensuring robust authentication and efficient data Management

HONORS & INVOLVEMENT

🏆 1st Prize – UWL x SEGA Hackathon (2025), University of West London in collaboration with SEGA Europe – [Link](#)

🌐 Developed UWL Film Society website with user-friendly UI and dynamic content updates