

Anas Shahid

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Computer Science Student @ Swansea University | Aspiring Cloud & Software Engineer

EDUCATION

BSc Computer Science (Hons) | Swansea University

Swansea, UK | Sep 2023 – May 2026

- Achieved First-Class in Year 2; on track to graduate with First-Class Honours.
- Active in SUCS (Computer Society) and Cyber Security Workshops.
- Modules: Algorithms, Advanced OOP, Writing Mobile Apps, Web Application Development, Big Data & ML, Software Security Engineering.

SKILLS

- **Languages:** Python, Java, Kotlin, JavaScript/TypeScript, SQL, C++, C, C#, HTML/CSS, PHP, Haskell, Prolog.
- **Cloud & DevOps :** AWS (Lambda, S3, DynamoDB, IAM), CI/CD (GitHub Actions), Docker, Boto3, Vercel, Render.
- **Frameworks & Libraries:** React, Node.js, Express.js (MERN Stack), Laravel, Pandas, NumPy, JavaFX, JSP, Servlet, Mongoose, react-calendar.
- **Databases:** DynamoDB (NoSQL), MongoDB, MySQL, Oracle.
- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms, Agile Methodologies, REST API, MVC, Network Security, Digital Forensics, Generative AI, Prompt Engineering.
- **Developer Tools:** Git, GitHub, Android Studio, Docker.

PROJECTS

AI-Powered MERN Task Manager | [Repository](#)

- Architected and deployed a full-stack MERN (MongoDB, Express, React, Node.js) application with a 2-column UI, interactive calendar, and full CRUD (Create, Read, Update, Delete) functionality.
- Engineered a conversational AI assistant with the Google Gemini API to analyse user intent, distinguishing between "chat" and "task creation."
- Authored secure, "jailproof" prompts to parse natural language commands (e.g., "Call the bank tomorrow") and add the resulting tasks directly to the database.
- Implemented a second AI feature (using secure JSON parsing) to automatically generate actionable sub-tasks for any complex project.
- Deployed the frontend to Vercel and the backend to Render, managing all environment variables and end-to-end CORS/API connectivity.

AWS Serverless Image Processor | [Repository](#)

- Architected and implemented a full-stack, event-driven serverless application on AWS using an S3 → Lambda → DynamoDB pattern.
- Engineered a Python Lambda function to automatically resize images and log transactions to a DynamoDB (NoSQL) table.
- Secured the application using IAM roles with least-privilege permissions and managed Python dependencies (Pillow) using Lambda Layers.
- Diagnosed and fixed a Runtime.ImportModuleError by rebuilding the layer for the correct x86_64 architecture.

Agile Game Development (Boulder Dash Recreation) | [Repository](#)

- Acted as Project Coordinator & Testing Manager for an Agile team of 8 students, overseeing sprint planning, task delegation, and QA, delivering the project 2 weeks ahead of schedule.
- Wrote substantial portions of the core game logic in Java, implementing map generation, object interaction, and collision handling using Object-Oriented Design principles.
- Translated conceptual game designs into technical features and led formal bug-tracking processes to ensure robust performance.
- Fostered a professional team environment through clear communication and collaborative problem-solving to boost development efficiency.

EXPERIENCE

Lusail Optics | Software Engineer & Technical Support Specialist

Doha, Qatar | Mar 2023 – Present

- Developed and deployed the company's first public-facing website using HTML5, CSS3, JavaScript, and Git, managing the full project lifecycle.
- Debugged and resolved complex JavaScript/CSS layout bugs and integrated a Formspre API for a functional contact form.
- Provided comprehensive technical support to 7+ staff, ensuring optimal performance and maintenance of all computer systems and software.
- Increased brand awareness through targeted digital content and community engagement, leading to a 20% growth in revenue.

Eastern Union Trading and Contracting Co. | Technical Support and Data Analyst

Doha, Qatar | Oct 2021 – Mar 2023

- Provided technical support to a team of 5 individuals, optimizing operations and reducing system downtime by 20%.
- Conducted monthly evaluations of revenue, loss, and profit, providing detailed reports to senior management for improved financial decision-making.
- Implemented and established a systematic data entry system using online tools, which increased loss tracking and resolution by 30%.
- Analyzed and reported key performance indicators (KPIs) for senior management, aiding in strategic decision-making processes.

PROFESSIONAL DEVELOPMENT

- Certified Cybersecurity Technician (EC-Council) | Aptech Computer Education (Jul 2024)
- Java Programming (OOP, JSP, JDBC) | Aptech Computer Education (Apr 2024)
- Google Analytics Certification (GA4) | Google Skillshop (In Progress)
- AWS Certified Cloud Practitioner | (In Progress)