Jadid Alam

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Education

Queen Mary University of London   September 2023 - May 2027

MSc Computer Science, Predicted: 1st (GPA: 4.0).

Relevant Modules: Object Oriented Programming, Databases, Web Development, Algorithms and Data Structure.

Newham Collegiate Sixth Form Centre   September 2019 – May 2021

Subjects: Maths A*, Physics A*, Chemistry A.

Experience

Queen Mary University of London   Mile End Road, London

Lab Assistant   February – May 2025

- Selected as one of 20 lab demonstrators based on top 5% academic performance in the module.
- Facilitated over 30 students weekly by simplifying complex concepts and offering one-on-one technical guidance.
- Evaluated and provided constructive feedback on 100+ lab reports, improving student performance and engagement.

London Science College   Edgware Middlesex

Web Developer   August – September 2024

- Engineered 10+ website pages for LSC's website by designing pages using pre-built components, built custom components.
- Integrated more than 5 plug-ins, and implemented custom JavaScript, HTML, and CSS to enhance functionality.
- Acquired positive feedback from teachers and students with a 90% satisfaction rating.

FunTech   Maidenhead, Berkshire

Computer Science Tutor   August – September 2024

- Operated as a summer camp a team of 9 tutors from FunTech and taught Python and Unity Game Coder.
- Prepared teaching course content, followed a tight schedule, set up devices to be ready for teaching by 8am.
- Influenced a rise in student motivation by 30% by providing a productive environment.

London Science College   Edgware Middlesex

Software Developer   July – August 2024

- Developed a MacOS and Windows application, to increase the productivity of employees by 15%, using JavaFX.
- Constructed an application that reduced the time taken to create invoices by 60%, resulting in high consumer satisfaction.

London Science College   Edgware Middlesex

Tutor   May 2022 – August 2025

- Taught Students, Maths and Physics, while collaborating with a team of 40+ tutors.
- Improved student's grades by 30% and achieved trust of the managers and directors.

Technical Skills & Projects

VPS Server Hosting

- Self-hosted portfolio and game backend on VPS, replacing Vercel for full control.
- Configured secure Linux server with NGINX, UFW, and SSH hardening.
- Optimized for 50+ concurrent users with 99.9% uptime since launch.

TradingAIForge

- Currently developing a group project that lets users build personalized trading bots based on different trading styles.
- Aiming for 80%+ positive user feedback through a focus on simplicity and ease of customization.

1v1 Scrabble Game Backend

- Authored a real-time multiplayer game backend using Rust and Web-Sockets, self-hosted on a rented Virtual Private Server.
- Achieved a 40% reduction in response time compared to a Python implementation, ensuring ultra-low latency gameplay.

FDM Expense App

- Engineered a full-stack expense management system using React.js, Django, and MySQL, replacing Excel-based tracking.
- Improved expense claim processing efficiency by 70% through automated validation and structured approval workflows.

LSC Homework Portal (commissioned)

- Produced a website using JavaScript, enhancing homework management for 100+ students and teachers.
- Implemented a homework calendar, allowing teachers to add homework and students to track assignments.

LSC Invoice Builder (commissioned)

- Built an invoice generation app using JavaFX, streamlining billing for 500+ recurring customers.
- Integrated a customer database, reducing manual data entry by 80%.

Horse Race Simulator

- Forged a betting game using Java Swing, engaging 100+ players with a simulated horse racing experience.
- Implemented an in-game currency system, enhancing player retention and interaction.

Portfolio

- Designed and established a personal portfolio website, showcasing projects and skills, attracting 50+ visitors.
- Integrated MongoDB database, improving project scalability and data management.
- Utilized 5+ technologies: HTML, CSS, JavaScript, React.js, Django (Python), and MongoDB.

Skills: Java, JavaScript, React JS, MATLAB, HTML, CSS, PHP, SQL, C, C++, C#, Swift, Python, GitHub, Unity, Oracle, Rust, AWS.