HUMAYRA CHOWDHURY

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PROFILE SUMMARY

Motivated Computer Science undergraduate with a strong foundation in programming and algorithms. Experienced in developing software applications using Python, Java and HTML, and keen to apply skills to a high-performance environment. Proven ability to collaborate effectively in both academic and extracurricular teams, and eager to work alongside experienced professionals to learn rapidly, contributing innovative ideas to evolving projects. Passionate about making a tangible impact, applying technical expertise and ambition to build software.

EDUCATION

Bachelor of Science in Computer Science

Queen Mary University of London | 2024 – Present | Expected Graduation 2028
- Currently in 2nd year – Average 89%
- Modules taken include: Procedural Programming (84%), Object Oriented Programming (78%), Web Technology (91%) Computer Systems & Networks (89%), Logic & Discrete Structures (90%), Automata and Formal Languages (97%), Information Systems Analysis (98%), Professional and Research Practice (84%), Software Engineering, Database Systems, Algorithms & Data Structures, Probability & Matrices, Graphical User Interfaces, Operating Systems, Internet Protocols

A levels: Computer Science (A*), Mathematics (A), Business Studies (B)

The Marlborough Science Academy | 2022 – 2024

SKILLS

- **Programming:** Java, Python, HTML, CSS, JavaScript, PHP, SQL
- **Tools & Technologies:** Git/GitHub, VS Code, AWS, TKinter, Swing
- **Soft skills:** Problem-solving , adaptability, collaboration, detail-oriented

PROJECTS

Horse Racing Simulator

Tools: Java, Swing, Java Graphics, Git
- Designed and implemented an interactive race simulation using OOP principles over 12 Java classes.
- Developed UI components for user customisation & engagement, with 6+ customisable features.
- Applied version control with Git, with structured commits and branches.

Portfolio Website

Tools: HTML, CSS, JavaScript, PHP, MySQL
- Built and deployed a responsive portfolio site on GitHub pages with Flexbox and Grid layouts.
- Implemented secure login and blog functionality with PHP and MySQL.
- Enabled database storage and retrieval, enhancing site interactivity and user experience

EXPERIENCE

Cloud Foundations Course

Amazon Web Services | August 2025
- Built a solid foundation in cloud computing principles, including service models, deployment strategies, and cost optimisation through 20 hours of AWS training and labs.
- Explored 5+ core services provided by AWS including EC2, S3, IAM and VPCs.
- Applied concepts through guided AWS labs (e.g. configuring IAM roles, creating secure VPC networks), enhancing understanding of how cloud services are managed in practise.

Retail Volunteering

Rennie Grove | Current
- Handled transactions efficiently, maintaining attention to detail and reliability in a fast-paced environment.
- Managed and organised stock, streamlining workflows and improving overall operational efficiency.
- Developed communication and collaboration skills engaging with a diverse customers and team members.