

MAHZABEEN ALAM

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Summary

Innovative and results-driven Computer Science undergraduate at Manchester Metropolitan University, with strong interests in cloud computing, data engineering, and AI-driven analytics. Skilled in designing digital platforms, building scalable systems, and applying data visualisation and predictive analytics to solve real-world problems. Demonstrated ability to translate technical concepts into user-focused solutions through academic projects and internships. Passionate about leveraging AI, data pipelines, and cloud technologies to create intelligent, efficient, and accessible digital systems for financial and enterprise applications. Currently seeking a graduate role in computer science where I can continue to learn, grow, and apply my technical expertise to contribute to innovative, data-driven solutions.

Experience

Lab Demonstrator Manchester Metropolitan University	10/2025 – Present Manchester, Greater Manchester
<ul style="list-style-type: none">Guided and supported 200+ first- and second-year students in Computer Architecture and Networks labs, simplifying complex topics such as routing, data flow, and hardware–software interaction.Supported students in debugging and testing code implementations to improve understanding of algorithms, system performance, and data communication.Enhanced skills in technical mentoring, communication, and problem-solving while applying knowledge of networks and cloud-based systems.	
Enrolment Helpline Advisor Manchester Metropolitan University	08/2025 – 10/2025 Manchester, Greater Manchester
<ul style="list-style-type: none">Assisted 1,000+ incoming students with enrolment, technical access, and system navigation via online registration platforms.Resolved hundreds of daily queries using CRM systems and data verification tools, ensuring compliance with institutional and GDPR standards.Developed strong customer service, multitasking, and data-handling skills in a fast-paced administrative environment	
Peer Guide Manchester Metropolitan University	07/2024 – Present Manchester, Greater Manchester
<ul style="list-style-type: none">Contacted students regarding absences and non-attendance, providing guidance and motivation to re-engage with studies.Signposted students to academic, wellbeing, and university support services while maintaining confidential records.Strengthened interpersonal communication, empathy, and student engagement skills through consistent one-to-one support.	
Community Grocer Project Co-Ordinator Healthy Me Healthy Me Communities at Gorton Central	08/2024 – 06/2025 Gorton, Manchester
<ul style="list-style-type: none">Managed a team of 10 volunteers to coordinate weekly grocery operations, including food sourcing, stock rotation, and community distribution.Served 150+ community members from diverse background per week, ensuring equitable access to affordable food and social support.Built leadership, teamwork, and organisational skills through community engagement and project coordination.	
Database Administrator Manchester Metropolitan University	08/2024 to 10/2024 Manchester, Greater Manchester
<ul style="list-style-type: none">Administered alumni data for 10,000+ records using Raiser's Edge CRM, performing SQL-based extraction, transformation, and validation to maintain accuracy and compliance.Developed and optimised 30+ SQL queries to generate analytical reports, segment donor groups, and improve campaign targeting efficiency.Enhanced technical proficiency in SQL, data analysis, CRM systems, and database optimisation, alongside soft skills in accuracy, organisation, and collaboration.	

- Produced **5+ technical reports** evaluating IT systems and recommending cost-effective digital transformation strategies.
- Collaborated with the Head of Communications and Business Development to optimise IT strategy and performance.
- Gained **technical reporting**, **IT analysis**, and **stakeholder communication** skills in a professional digital environment.

Notable Projects

- **Odd One Out Game:** Interactive web app with Firebase for real-time data storage.
- **Password Manager:** Full-stack site using JavaScript & SQL for secure credential handling.
- **Amusement Park Queue System:** C# queue logic with circular buffer optimisation.
- **Network Design Project:** VLAN & DHCP router setup ensuring branch connectivity.
- **Extended Project Binary vs Linear Search:** Analysed time/space trade-offs on random lists; demonstrated $O(\log n)$ vs $O(n)$ behaviour.

Key Skills

- **Programming & Tools:** Python, Java, C#, C, C++, SQL, HTML, CSS, JavaScript, TypeScript, Haskell.
- **Data & Cloud:** MySQL, REST APIs, Cloud-based architecture, Data pipelines
- **AI & Analytics:** Predictive modelling, Data visualisation, Reporting dashboards
- **Software Engineering:** Agile methodologies, System design, Testing & deployment

Education

Bachelor of Science: Computer Science (Predicted 1st)	2026
Manchester Metropolitan University	Manchester, MAN
<ul style="list-style-type: none">• Notable Modules: Programming- 70%, Computer Architecture- 77%, Database- 93%, Web Development- 93%, Data Structures and Algorithms- 68%, Networks- 83%, Ethical Hacking- 82%, Thematic Project- 86%.• Overall average is 80% from first and second years.	
Foundation Degree in Science: Computer Science	2023
Durham University	Durham, DUR
<ul style="list-style-type: none">• Coursework in Academic English Skills, Advance Mathematics and Computer Science.• Mathematics and Academic English Skills Academic Achievement Award• Foundation Degree Graduate. Overall, 79% marks were achieved.	
Higher Secondary Certificate (HSC): Science	2021
Dhaka City College	Dhaka, Bangladesh
<ul style="list-style-type: none">• A+ in Mathematics, Physics, Chemistry, Biology and Information Technology.• GPA 5.00. Overall, 93% Marks Achieved.	
Secondary School Certificate (SSC): Science	2019
Mohammadpur Preparatory School	Dhaka, Bangladesh
<ul style="list-style-type: none">• A+ in Mathematics, Physics, Chemistry, Biology and Information Technology.• GPA 5.00. Overall, 95% Marks Achieved	

References

Available upon request.