Muaz Afzal

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SUMMARY

Final year **BSc (Hons) Computer Science** student at the University of Huddersfield, with hands-on experience in **machine learning**, **data-driven projects**, **software development**, and full-stack **web development**. Strong analytical and problem-solving skills developed through academic and practical work, with an interest in graduate-level roles across **software**, **AI**, **Cyber**, and **data analysis**. Eligible to **work in the UK**.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, with experience in object-oriented programming and problem-solving
- **Web & Databases:** HTML, CSS, JavaScript, PHP, Laravel, MySQL (phpMyAdmin)
- **Tools & Systems:** Visual Studio, VS Code, IntelliJ, PyCharm; Windows, Linux (Ubuntu/Kali), macOS
- **Cyber Security:** security fundamentals, risk management, threat awareness, Linux security tools, and Awareness of secure coding practices
- **Machine Learning & Data:** Pandas, NumPy, and Scikit-learn for data cleaning, exploratory analysis, feature engineering, predictive modelling, and basic image classification
- **Core Skills:** Strong problem-solving, clear communication, teamwork, time management, and a willingness to learn

RELEVANT EXPERIENCE

UniLife, *(PHP, HTML, CSS, JavaScript, MySQL)* ⊡
- Designed and developed a full-stack web platform to support international students transitioning to the UK
- Implemented user-focused features with database integration using MySQL via phpMyAdmin
- Strengthened skills in backend logic, frontend design, and handling user data in a real-world context

Correct Handwashing Prediction Model, *(Python, CNN, Computer Vision)* ⊡
- Developing a deep convolutional neural network (CNN) to classify the eight stages of proper handwashing based on WHO guidelines
- Collected and preprocessed image data, applied data augmentation techniques, and trained the model to improve robustness
- Gaining hands-on experience in computer vision, deep learning workflows, and model evaluation while addressing overfitting

Web-based manufacturer management system, *(Laravel 11, PHP, MySQL)* ⊡
- Built a web-based system to store, update, and manage information about global manufacturers
- Followed the MVC architecture to ensure clear separation of logic, data, and presentation
- Implemented features such as input validation, structured routing, and a responsive user interface with clean CSS
- Demonstrated practical full-stack development skills and use of Laravel best practices for maintainable applications

Browser-Based Cyber Security Risk Analysis Using Machine Learning, *(Python, Machine Learning, Cyber Security, Data Analysis)* ⊡
- Developing a machine learning–based system to analyse cybersecurity risks by identifying patterns and potential threats.
- Applying data preprocessing, feature engineering, and classification techniques to support risk assessment and decision-making
- Exploring how machine learning models can improve the detection and prioritisation of security risks in digital systems
- Gaining practical experience at the intersection of cybersecurity and AI, with a focus on data-driven analysis and system reliability

EXPERIENCE / VOLUNTEERING

Crew Member, *McDonalds*   11/2023 – Present
- Handled diverse customer needs and resolved complaints effectively using **strong communication skills**.
- Developed **time management** and **multitasking abilities** through order-taking, food preparation, and cleaning tasks
- Collaborated with a dynamic team in a fast-paced environment, **adapting to multiple roles** to ensure smooth operations.

Academic Rep for the school of Computing and Engineering,   11/2026 – Present
University Of Huddersfield
- Represented Computer Science students in faculty meetings, **voicing academic concerns**.
- Provided feedback to improve course structures and student support services.

Social Media Officer for Bangladeshi Student Society, *Huddersfield Student Union*   07/2025 – Present
- Created and managed social media content to engage members, students, and promote society events.

EDUCATION

BSc (Hons) Computer Science SW, *University Of Huddersfield*   09/2023 – Present | Huddersfield
- Overall Predicted Grade: First Class Honours (**1:1**), (Transcript ⊡)

A-Levels, *Cephalon International School*   10/2020 – 10/2022 | Bangladesh
- Maths (**A**), Chemistry (**B**), Physics (**B**), (Certificate ⊡)

O-Levels, *Alfred International School & College*   05/2019 – 05/2020 | Bangladesh
- Mathematics B, Further Pure Mathematics, Chemistry, English, Physics, Accounting, Bengali (Certificate ⊡)

CERTIFICATES

Merit-Based Schlorship: £9,000 Academic Excellence Scholarship based on academic merit
Global Professional Award (GPA): First Year and Second Year Completed with 100% grade

LEISURE ACTIVITIES

- **Sports & Activities:** Active participant in university sports, regularly engaging in campus activities
- **Society Membership:** Member of the Cyber Security Society with a strong interest in security and technology
- **Creative & Design Skills:** Self-taught in Adobe Illustrator, Photoshop, Animate, Canva, and Wondershare Filmora, applying creativity alongside technical problem-solving