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|  | Mohammed N. Ahmed

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|  Summary | Second-year Undergraduate Computer and Data Science student at Birmingham City University with a strong foundation in software development, particularly in Python, C, C++, and Bash. Internships at J.P. Morgan and BCG have honed problem-solving and project management skills, establishing a reputation as an organised, self-driven team player. Passionate about technology, adept at finding creative solutions, and effectively communicating with clients and colleagues. Eager to leverage technical expertise in software development, problem-solving, and project management to contribute to innovative projects and drive success in dynamic environments. |

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|  Technical Skills |

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| * **Python:** Proficient in versatile Python for tasks like automation, app development, and data analysis.
* **Java:** Experienced in Java for app and system development.
 | * **R:** Proficient in R for statistical analysis, data visualisation, and making data-driven recommendations.
* **JavaScript:** Experience in developing interactive web applications and enhancing user experience through dynamic content and responsive design**.**
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|  Relevant IT Experience | J.P. Morgan Software Engineering Virtual Experience, 05/2024 - 05/2024*Forage** Set up a local dev environment by downloading the necessary files, tools and dependencies.
* Fixed broken files in the repository to make web application output correctly.
* Used JPMorgan Chase's open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

BCG Data Science Job Simulation, 02/2024 - 04/2024*Forage** Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach.
* Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualisation techniques for insightful trend interpretation.
* Completed the engineering and optimisation of a random forest model, achieving an 85% accuracy rate in predicting customer churn.
* Completed a concise executive summary for the Associate Director, delivering actionable insights for informed decision-making based on the analysis.

Project Manager, 01/2023 - 08/2023*Innovation Project** Led the BSL translator project through the entire project lifecycle, from planning to execution to monitoring
* Managed resources and coordinated a diverse team.
* Communicated progress and risks effectively to stakeholders.
* Mitigated issues to ensure quality delivery on time and within budget.
* Conducted post-implementation reviews for continuous improvement.

Hackathon, 10/2022 - 10/2022*NASA Space Apps Challenge** Created an interactive website tailored for NASA's needs using HTML and CSS.
* Focused on design and interactivity to meet project requirements.
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|  Education |  Birmingham City University, Birmingham, BIR, 2022- PresentBSc Hons : Computer and Data Science Relevant Modules include:* **Computer Programming**: Acquired fundamental programming skills in Python, emphasizing code writing and debugging.
* **Data Structures and Algorithms**: Covered key data structures (e.g., arrays, linked lists) and algorithms (e.g., sorting, searching) for efficient problem-solving.
* **Computer Systems**: Explored computer system components (e.g., processors, memory, storage, OS) and their collaboration in program execution.
* **Object-Oriented Programming in Java**: Focused on Java-based object-oriented programming (OOP), mastering concepts like classes, objects, and inheritance for software design.

Central Saint Michael's Sixth Form, West Bromwich, 2019-2021 A-Levels : Business * BTEC Business extended diploma (D\*D\*D)

Grace Academy Darlaston, Wednesbury, 2015-2019* Hold 8 GCSEs including Maths (5) and English (7)
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|  Certifications | * **Supervised Machine Learning: Regression and Classification** (DeepLearning.AI, Jun 2024)
* **Frontend Developer (React)** (Hackerrank, May 2024)
* **Java** (Hackerrank, May 2024)
* **Software Engineer Intern** (Hackerrank, Apr 2024)
* **C#** (Hackerrank, Apr 2024)
* **IT Specialist – Python** *(Pearson, Dec 2022)*
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|  Additional Achievement/ Hobbies | * Developed Python-based systems and games, showcasing strong programming skills.
* Created a real-time Sign Language Translator using OpenCV and MediaPipe for sign gesture recognition. Implemented supervised machine learning with TensorFlow and CNNs to compare gestures with a trained dataset. 2nd place in Innovation Fest.
* Jiu-Jitsu 1st Degree White Belt and Wrestling practitioner.
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|  Employment History  | **Crew Member**, 06/2024 - Current**McDonalds,** Walsall, West Midlands * Delivering customer service through strong interpersonal, communication, and teamwork skills in fast-paced environments, ensuring efficient task management, customer satisfaction, and a clean, organised workspace.
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|  References | * To be supplied on request
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