

Hasanur Rahman Mohammad

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PERSONAL PROFILE

Recent Computer Science graduate seeking a software engineering position in a challenging and dynamic environment. Eager to take on new challenges, I am committed to expanding my knowledge and skills in software development. While my primary interest lies in back-end development and databases, I am also keen to gain experience across different areas of the field.

EDUCATION

University of Westminster

BSc Computer Science

September 2021 - June 2024

London, UK

- **Grade: 1st Class Honours**
- Activities: Volleyball team, Weightlifting club, Badminton Club.

University of Westminster

Foundation year in Data Science and Analytics

September 2020 - June 2021

London, UK

- Activities: Course Representative.

Newham Sixth Form College

UAL Level 3 Extended Diploma in Art and Design

September 2018 - May 2020

London, UK

- **Grade: Merit**
- Activities: Badminton Club

PROJECT

Alleno-ora

GitHub Link: <https://github.com/EIPatatone/alleno-ora/>

- Developed a CLI tool in C++17 to efficiently manage and track workout data stored in a SQLite database, ensuring data persistence and easy retrieval.
- Engineered a custom text file parser to accurately extract workout information (such as exercises, sets, weight and performance metrics) and seamlessly store them in a structured database format.
- Implemented command-line argument parsing using C++ standard libraries, ensuring reliable input validation and error handling for various tool operations (e.g., saving, retrieving, and creating workout records).
- Utilized CMake as the build system to streamline the compilation process, manage dependencies, and facilitate cross-platform support.

WORK EXPERIENCE

Hamoye AI

Machine Learning Intern

August 2022 – September 2022

Remote

- Led the creation of an end-to-end deep learning solution, utilizing a Convolutional Neural Network (CNN) for binary image classification, achieving 95% accuracy in the detection of potato images.
- Designed and trained a custom 9-layer CNN, successfully improving model performance on a limited dataset and boosting image classification accuracy by 15%.
- Optimized team collaboration by implementing Git and GitHub for version control, resulting in seamless coordination on group tasks and streamlined project progress.
- Enhanced project efficiency by managing Python virtual environments with Conda, leading to smoother deployment to Streamlit Cloud services and consistent project dependencies across the team.

SKILLS & INTERESTS

- **Skills:** Python, C++, C, SQL, Bash, Git, Terminal, Linux Systems.