MAHMUD HASAN

🔗 https://hasanmahmud.me

📍 United Kingdom | 📞 +44 7514 037716 | ✉ destro.mahmud@gmail.com

🌐 LinkedIn | GitHub | LeetCode | CodePen

PROFESSIONAL SUMMARY

Graduate Software Engineer with experience building full-stack web applications using JavaScript and Python, and an academic background in artificial intelligence and data-driven systems. Completed and MSc in Artificial Intelligence with Business Strategy in the UK, gaining hands-on experience with applied machine learning and data analysis alongside strong software engineering fundamentals. Seeking graduate or junior roles in software engineering or data-focused development where I can continue building production-ready systems while growing industry experience.

PROFESSIONAL EXPERIENCE

Frontend Developer Intern

SJ Innovation LLC - June 2022 to September 2022

- Developed and maintained responsive web interfaces using React.js, improving cross-browser compatibility and load times.
- Collaborated with backend developers to integrate RESTful APIs, ensuring smooth data exchange and user interactions.
- Conducted debugging and code optimisation, reducing frontend defects.
- Worked in an Agile environment, participating in sprint planning and code reviews to deliver features on time.

Product Maintenance Executive

Staff Asia — February 2021 to May 2021

- Managed and updated large-scale product catalogues for e-commerce platforms, ensuring accuracy and consistency across systems.
- Streamlined product upload processes, reducing errors and improving efficiency in day-to-day operations.
- Collaborated with cross-functional teams to maintain data quality standards and support customer satisfaction goals.

PROJECTS

AgriHealth AI — Real-time Plant Health Monitoring System

- Designed and evaluated a plant disease detection system using classical image processing techniques and machine learning classifiers.
- Applied image preprocessing methods and compared model perfomance using accuracy and confusion matrices.
- Focused on experimentation, evaluation, and analysis rather than production deployment.
- Project demonstrates applied machine learning understanding, data preprocessing, and analytical reasoning.

Gadget Station — E-commerce Platform

- Built a full-stack web application supporting product listings, order management, and secure payments.
- Developerd frontend interfaces with React.js and backend services using Node.js, Express, and MongoDB.
- Integrated payment payment workflows and implemented RESTful APIs.
- Focused on clean architecture, usability, and real-world functionality.

Crave — Restaurant Management Platform

- Developed a restaurant management system for handling menus, orders, and customer requests.
- Implemented backend logic using PHP and Laravel with a MySQL database.
- Built dynamic user interfaces with JS and jQuery to support ordering and order tracking.

TECHNICAL SKILLS

- **Programming & Scripting:** Python, JavaScript
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Laravel, REST APIs
- **Databases:** MongoDB, MySQL
- **AI/ML & Data Science:** scikit-learn, NumPy, Pandas, OpenCV, Image-preprocessing
- **Web Technologies:** HTML5, CSS3, TailwindCSS, Bootstrap, SASS
- **Tools & Platforms:** Git, Postman, Figma, Linux

EDUCATION

Aston University, Birmingham, UK — MSC Artificial Intelligence with Business Strategy
January 2025 - January 2026

- **Modules:** Machine Learning, Data Analytics, AI Applications in Business
- **Dissertation:** AgriHealth AI — Real-time Plant Health Monitoring System

Metropolitan University, Sylhet, Bangladesh — BSc Computer Science and Engineering
Graduated in Oct 2021

- **Modules:** Software Engineering, Database Systems, Algorithms, Web Technologies

ADDITIONAL INFORMATION

- **Languages:** English (Fluent), Bangla (Native)