

# MD BIN AMIN HOSSAN

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Portfolio: [https://yaminbd.github.io/yamin\\_protfolio/](https://yaminbd.github.io/yamin_protfolio/)

## PROFESSIONAL SUMMARY

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Motivated and detail-oriented Computer Science graduate with a strong foundation in software development, machine learning, and data analysis. Hands-on experience in developing innovative solutions through academic projects and internships. Proficient in Python, JavaScript, HTML, CSS, SQL, and Flask, with a passion for solving complex problems and improving user experiences. Skilled in working collaboratively and delivering results in fast-paced environments.

## EDUCATION

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### University of Roehampton, London

Sept 21 – Jun 24,

*Bachelor of Science in Computer Science, First Class Honours*

**Relevant Coursework:** Software Engineering, Software Development, Data Science, Data Visualization, Data Engineering, Artificial intelligence, Computer systems, Cyber security, Machine Learning, Database.

### Kingston University, London

Feb 21 – Jul 21,

*Foundation Science, Engineering & Computing, Passed with overall (80%)*

**Relevant Coursework:** Programming (Python, JavaScript), Computing and Society, Pure math, Academic English Skills, Project management.

## SKILLS

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**Programming Languages:** Python, C, C++, JavaScript, SQL, HTML, CSS

**Tools:** Git, Jupyter Notebooks, Docker, Microsoft Excel

**Database Management Systems:** Microsoft SQL Server, MySQL, Oracle, MongoDB, PostgreSQL

**Analysis and Visualization Tools:** Tableau, Power BI, Microsoft Excel, Hadoop, Google Analytics.

## PROJECT

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### AI Diet Consultant – Final Year Project | Individual Work, 2024

- Developed an AI-powered food recommendation system using Python, Flask, and OpenAI API to provide personalized dietary advice based on user inputs and preferences.
- Built a user-friendly interface with HTML/CSS and designed the system flow using Figma, ensuring seamless interaction and responsiveness.
- Integrated Natural Language Processing (NLP) for interpreting user queries and delivering context-aware recommendations.

### Potato Disease Classification – Individual Project (2023)

- Implemented a Convolutional Neural Network (CNN) for image classification using TensorFlow and Keras, achieving high accuracy on diverse datasets.
- Visualized model performance with detailed metrics and ensured reliable predictions with confidence level analysis.

### CRUD Application – Team Project (2023)

- Designed and developed a full-stack CRUD application using Node.js, Express.js, and Pug templates.
- Implemented RESTful API endpoints for seamless database operations and deployed the project using Docker.
- Managed version control with GitHub, ensuring collaborative development with team members.

## EXPERIENCE

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### Web Management & Design

Oct 22 – Present

*Kome International Ltd, Woodford Green, Essex / On Site*

- Enhanced user experience by updating content, pictures, and pricing on the website, improving navigation and accessibility.
- Designed and implemented marketing posters, ensuring consistent brand messaging.
- Collaborated with the marketing team to optimize content strategy using UX best practices.

### **Website Developer (Internship)**

**May 24 – Jul 24,**

*Fly Affinity Ltd, Putney, London / On-site*

- Built websites from the ground up using WordPress, completing 80% of project deliverables within the internship period.
- Developed custom booking forms using plugins and PHP to enhance functionality and improve user experience.
- Collaborated with team members in Agile workflows, contributing to code reviews and making technical decisions to align with project goals.
- Gained domain knowledge and practical experience in web development through participation in the "Broadening Horizon Program."

### **ADDITIONAL INFORMATION**

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- **Languages:** Fluent in English and Bengali.
- **Work Authorization:** Eligible to work in the UK.