

MD Moshir Rahman

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EXPERIENCE

Software Engineer

May 2022 – Aug 2023

SAMAHAR

Dhaka, Bangladesh

- Improved e-commerce platform usability and engagement by 27% through the development of interactive, responsive UI components using JavaScript, HTML, and CSS.
- Automated offer timer management using Cron Jobs, ensuring precise scheduling and execution of product promotions.
- Optimized database structure by designing an efficient ER diagram, reducing query load times from 2056 ms to 437 ms and significantly improving page performance.
- Leveraged MySQL migration tools for version-controlled database management, enabling seamless rollbacks and safeguarding against data loss.
- Implemented data encryption protocols to protect sensitive user information and maintain compliance with security standards.
- Built a click-tracking and analytics module using Laravel and MySQL to deliver tailored product recommendations based on user behaviour.
- Developed secure and efficient API integrations with Google Maps and OAuth/SSO, leveraging JavaScript to deliver advanced geolocation and authentication features while reducing API overhead and cutting costs by around 5%.

EDUCATION

Flinders University

2023 – 2025

Master's of Science in Computer Science

East West University

2017 – 2021

Bachelor of Science in Computer Science & Engineering

SKILLS

Languages: Python, C, C++, PHP, MySQL, JavaScript, HTML

Frameworks: Laravel

Tools & OS: Git, GitHub, VS Code, Postman, Linux, Windows & MacOS

PERSONAL PROJECTS

Job Finder | PHP, HTML, CSS, JavaScript, MySQL

- A web application where users can get recommendation for jobs depending on their level of skill set
- Users are able to search for jobs and see the whole job post.
- Users are able create their own profile and add their basic skills so that the recruiter can view.
- Users can upload send their CV to the recruiter as a PDF format.

Inventory Management System | PHP, HTML, CSS, JavaScript, MySQL

- A web application for storing stocks.
- User's will be able to store stocks for different kind of products.
- User's will be able to see the quantity report on daily basis.

3D Object Classification | Python, Trimesh, NumPy, TensorFlow

- A Deep-Learning model that can help us to classify 3D object
- Transformed the 3D CAD object to Point-Cloud by using Trimesh
- Used PointNet Architecture to classify 3D Object

Brain Tumor Prediction | Python, Jupyter Notebook, TensorFlow, Matplotlib

- Developed a model by using CNN that can predict which type of brain tumor it is by looking at the MRI scan.
- Visualized the data through Matplotlib

Parking Space Detector | Python, OpenCV, NumPy

- It is an OpenCV program that detects free space in the parking spots.
- Used edge detection to identify the edges of a car.
- Depending on the pixel density of the edges it predicts whether or not the space is available.