



Rafi Al Mahmud

Software Developer

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Professional Summary

Detail-oriented and motivated software developer with a strong foundation in backend and full-stack development. Skilled in building scalable web applications using Laravel, PHP, Python, and MySQL. Experienced in developing RESTful APIs, designing efficient database structures, and applying clean coding practices. Thrives in agile, fast-paced environments and collaborates effectively within teams. Recognized for adaptability, analytical problem-solving, and a commitment to delivering high-quality, reliable software solutions.

Education

09/2022	B.Sc. in Computer Science and Engineering BRAC University, Bangladesh CGPA: 3.54.
2019 – 2021	Higher Secondary Certificate Islamia Degree College, Chittagong Grade: 5(out of 5)

Technical Skills

Programming Languages

- Python
- Java

Frameworks/Libraries

- Laravel
- OpenGL
- PHP

Databases/Tools

- MySQL
- Git

Projects

Job Portal

Technologies: Laravel, PHP, MySQL, HTML, CSS

Engineered a secure, multi-user platform featuring role-based access control (RBAC) for three distinct user types: job seekers, employers, and administrators. Designed and implemented a normalized MySQL database schema to efficiently manage user data, job postings, and applications, ensuring data integrity and referential consistency.

Developed a comprehensive admin dashboard with full CRUD functionality and integrated secure authentication using Laravel's built-in services.

COVID-19 Radiography - CycleGAN Augmentation & Classification

<https://github.com/RafiALMahmud/Corona-virus-detection-Using-Augmented-dataset>

Technologies: Python, TensorFlow, Keras, CycleGAN, MobileNetV2, ResNet50

Developed a deep learning pipeline to detect COVID-19 from chest X-ray images using CycleGAN for data augmentation. Implemented and fine-tuned transfer learning models (MobileNetV2, ResNet50) for classification, demonstrating improved accuracy with GAN-augmented data.

E-commerce Web Application

Technologies: Laravel, PHP, MySQL, HTML, CSS

Developed a full-stack e-commerce platform with complete product and inventory management capabilities for administrators. Implemented core customer-facing features, including user authentication, shopping cart functionality, and an order processing workflow. Optimized database schema for complex relationships and ensured a smooth user experience.