

EKRAMUL ISLAM SHADIK

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EXPERIENCE

Backend Developer Jun 2025 - Present
Antripe (Key-Tech: Python, Django, PostgreSQL, Celery, Docker) Remote

- Leading backend development and architecture for scalable solutions
- Built RESTful APIs, designed database schemas, and implemented asynchronous tasks with Celery and Redis.
- Managed Docker-based deployment pipelines and ensured high code quality, performance, and security.

Research Assistant Jan 2024 - Jun 2025
Computer Vision Lab (Key-Tech: Python, Neural Network, Deep Learning, Machine Learning) University of Rajshahi

- Actively contributed to cutting-edge research projects in computer vision. Collaborating with teammates and professors on the development of a comprehensive system for license plate detection, recognition, and categorization for vehicles in Bangladesh.

TECHNICAL SKILLS

- **Languages:** C, C++, Java, Python
- **Frameworks & Tools:** Django, Android, React, Docker, Kubernetes, Prometheus, Grafana, Git, GitHub
- **Databases:** MySQL, PostgreSQL
- **Core Expertise:** OOP, Data Structures, Algorithms

EDUCATION

University of Rajshahi Rajshahi, Bangladesh
B.Sc. (Engg.) in Information and Communication Engineering 2019 – 2024
Graduated: November, 2024

PROJECTS

My Hostel Java, Android, Firebase, XML, Git
• Developed a hostel booking application, My Hostel, to simplify the reservation process.

Virtual Keyboard Java, Android, XML, Git [Live](#)
• Designed and implemented a virtual keyboard with a lightweight footprint. It is optimized for efficient use of system resources.

Android Responsive Calculator Java, Android, XML, Git [Source Code](#)
• Developed a responsive calculator application using Java for the Android platform. Utilized Android Studio for the development process. The app features a user-friendly interface and adapts to various screen sizes. Implemented various functionalities and features.

Library Management System Python, Django, JavaScript, Html, CSS, Git [Source Code](#)
• Designed and developed a library management web application to streamline book cataloging, user management, and borrowing processes. The application incorporates features such as billing, borrowing, and much more.

- Designed and developed a waste management web application to optimize waste collection routes, manage user requests, and track recycling activities. The application includes features for scheduling, reporting, and analytics.

ACHIEVEMENTS

- Ranked **13th** in Backend API Battle in Intra University Code Samurai Hackathon 2024
- **Finalist** in Intra University Code Samurai Hackathon 2024
- Competed in **UIU IUPC 2025**, solving advanced algorithmic challenges and enhancing teamwork skills.
- Completed a course on **Embedded Systems** with a focus on practical applications using the Zen board. Acquired hands-on experience in designing and implementing embedded systems projects.
- Completed a course on **Game Development with Unity** under a Government project. Developed practical skills in designing and creating games using the Unity game development engine.

GROUPS

- Served as Assistant Joint Secretary in Rajshahi University's Programming Club. Managed 6+ contests, and coached 50+ juniors to enhance analytical abilities.