

EKRAMUL ISLAM SHADIK

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EXPERIENCE

Backend Developer

Antriipe (Key-Tech: Python, Django, PostgreSQL, Celery, Docker)

Jun 2025 - Present

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

Computer Vision Lab (Key-Tech: Python, Neural Network, Deep Learning, Machine Learning)

Jan 2024 - Jun 2025

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

B.Sc. (Engg.) in Information and Communication Engineering

Rajshahi, Bangladesh

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.

Waste Management System

Python, Django, React, Html, CSS, Git

[Source Code](#)

- 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.