

Daniel Rozario

Backend Engineer (Python/**FastAPI**/**Django**)

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Education

Varendra University, BSc in Computer Science & Engineering – Rajshahi, Bangladesh Jan 2024 – Dec 2027

- Key Coursework: Data Structures, Algorithms, Database Management Systems
- Member of Applied Computing Club and Robotics Club

Projects

FastIDV

FastAPI identity verification service that extracts ID data with **DeepSeekOCR** and verifies users via **DeepFace** face matching, with anti-spoofing support.

- Engineered an automated ID data extraction pipeline utilizing **DeepSeekOCR**
- Performs 1:1 Face matching with anti-spoofing mechanisms
- Architected modular services to support scalable verification workflows
- Containerized with **Docker**

Probahi

Multitenant **Django** application that lets users create their own LMS platforms.

- Developed **Django** application enabling isolated LMS tenants with schema separation
- Designed REST API for mobile app data access
- Integrated **Payment gateway**

VUJudge

Online Judge for Varendra University programming club using Piston API.

- Integrated **PistonAPI** to execute user-submitted code in isolated sandbox environments across multiple programming languages
- Leaderboard system based on submission time and success rate

Flink

Subscription-based loyalty and rewards platform.

- Developed REST API with **Django** for managing tiered user subscriptions and dynamic public profiles
- Designed a transactional state machine to track reward point multipliers and redemptions
- Built a merchant campaign system with role-based access control
- Integrated **Payment gateway**

Downwork

Automated job-tracking pipeline that scrapes listings from Upwork and delivers real-time notifications via Telegram Bot.

- Implemented asynchronous task processing using **Celery** and **Redis**
- Scheduled periodic monitoring tasks for continuous job discovery

Chapterize

Generate video chapters from YouTube subtitles in seconds.

- Built with **Django**, **Langchain**, and **Gemini API** for subtitle processing

Awards

- BUET DevSprint 2024 — Second Runners-Up
- Rajshahi Startup Icons — Best Startup 2026
- NASA Space Apps Challenge — Regional Champion

Skills

Languages: Python, JavaScript, SQL

Frameworks: **Django**, **FastAPI**, **Django REST Framework**, **Django Ninja**, **React**, **htmx**

Databases: PostgreSQL, SQLite, MongoDB, **Redis**

AI/ML & Computer Vision: **Gemini API**, **OpenAI API**, **Langchain**, **DeepFace**, **DeepSeekOCR**

Tools & Platforms: **Docker**, **Git**, **Celery**, **Linux**, **PistonAPI**, **Vite**

Automation: Bot Development (Telegram/Discord), Web Scraping, Code Execution Engines