

# PREM RAJ AWASTHI

## BACKEND WEB DEVELOPER

📍 Kathmandu, Bagmati, Nepal

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## PROFILE INFO

Backend-focused Python developer specializing in Django and Django REST Framework for building production-ready, scalable web applications. Experienced in designing and optimizing backend systems using Redis for caching, real-time features, and performance enhancement. Skilled in containerizing applications with Docker for consistent development and deployment workflows.

Proficient in creating robust, secure APIs and designing efficient database schemas with PostgreSQL. Passionate about backend architecture, system performance, and implementing best practices for code maintainability and deployment reliability. Capable of taking applications from development through containerization to deployment-ready solutions.

## EDUCATION

2022-2027

PATAN MULTIPLE CAMPUS

- Bachelor in Computer Science and Information Technology
- Currently studying in 7<sup>th</sup> Semester

## SKILLS

- Fast Learner
- Self Taught
- Technical Problem Solving
- Time Management
- Effective Communication
- Critical Thinking
- Collaborative Team Work

## LANGUAGES

- Nepali (Native)
- English (Fluent)
- Hindi (Fluent)

## PERSONAL PROJECTS

### Educa

Learning Management System

- Developed a Dockerized Django LMS with course management, module sequencing, and multimedia content delivery.
- Integrated real-time chat using Django Channels and WebSockets for interactive learning experiences.
- Engineered a multi-container production architecture with PostgreSQL, Redis, Gunicorn, Daphne, and Nginx.
- Implemented custom SSL encryption and scalable deployment patterns for secure, high-performance hosting.

### Heaven's Door

Food Ordering System

- Built a Dockerized Django e-commerce platform with product catalog management.
- Implemented session-based shopping cart with real-time updates and automated pricing calculations
- Integrated payment gateway processing, automated PDF invoicing, and comprehensive order tracking systems
- Developed a flexible coupon and discount system with validation rules for targeted promotional campaigns

## TECHNICAL SKILLS

### Languages

- Python
- C/C++/C#
- Go
- JavaScript

### Frameworks

- Django
- Django REST Framework
- FastAPI

### Database & Cache

- PostgreSQL
- SQL
- Redis

### Other Technologies

- Docker
- NGINX
- SQLAlchemy
- Git & Github
- Postman/Insomnia
- Websockets

🔗 [github link](#)