

NIRAJAN AWASTHI

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SUMMARY

Final-year BSc CSIT student and backend developer specializing in Django. Built and shipped multiple production-style, multi-role web platforms with real payment gateway integrations (eSewa, Khalti), REST APIs, and a custom recommendation engine. Comfortable owning a feature end-to-end — from data model to deployment-ready code.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML/CSS, SQL

Backend: Django, Django REST Framework, Celery, JWT Authentication

Payments: eSewa (HMAC-SHA256), Khalti

Tools: Git, GitHub, Swagger/drf-spectacular, Postman, PowerShell

Data Mining: Decision Trees (ID3), Apriori, FP-Growth, Naive Bayes (WEKA)

PROJECTS

HostelHub — Django Hostel Booking Platform

Personal Project

Multi-role platform (Student / Owner / Admin) with full booking lifecycle

- Built role-based dashboards for students, hostel owners, and admins with distinct permissions and workflows
- Integrated eSewa payment gateway using HMAC-SHA256 signature verification, routed through a single admin merchant account
- Designed a Payment model tied to the booking lifecycle (pending, approved, paid) with sandbox testing
- Implemented a content-based recommendation engine using a custom weighted-distance KNN algorithm across categorical (location, room type) and continuous (price) features
- Built hostel listing pages with search, filtering, and pagination; resolved cross-browser rendering issues

Gym Management System — Django REST Framework

Personal Project

REST API backend with JWT authentication and async task processing

- Built REST APIs with Django REST Framework and JWT-based authentication
- Implemented background task processing with Celery and django-celery-beat
- Documented all endpoints with drf-spectacular (Swagger UI)
- Integrated Khalti payment gateway end-to-end (InitiatePaymentView, VerifyPaymentView), tested via Swagger UI in sandbox mode

Buy-Me-a-Coffee Clone — Django

Personal Project

- Set up and debugged a cloned Django project using the uv package manager
- Configured Khalti test credentials and verified the payment flow end-to-end

EDUCATION

BSc CSIT (Final Year — 8th Semester)

Expected 2026

Patan Multiple Campus, Tribhuvan University