KRIJAL SUWAL

Backend Developer

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📍 Byasi, Bhaktapur

Summary

Dynamic and motivated Python developer with foundational knowledge in Django web framework. Experienced in building basic web applications and APIs using Python and Django. Strong problem-solving skills and a strong interest in expanding expertise in web development.

Projects

Django: File Digitalization & Workflow System

https://github.com/kusumstha2/File-Digitalization

Django, DRF, Djoser, Redis, Celery, OCR

- Created an OCR-powered document management platform with secure file handling
- Utilized Celery for processing tasks like OCR, backup, and reporting asynchronously
- Developed smart search, file tagging, and encrypted storage features
- Incorporated role-based access, notifications, and detailed analytics

Django: HandiQ – Local Service Finder Platform

https://github.com/suwalkrizal/handiQ

Python, Django, HTML, CSS, JavaScript, PostgreSQL, Dijkstra's Algorithm

- Developed a full-stack web app connecting customers with nearby service providers
- Implemented location-based provider search using Dijkstra's algorithm
- Enabled service booking, secure payment flow, and customer reviews
- Built responsive front-end for seamless user experience across devices
- Designed user roles, authentication, and review management system

Django: School Website Backend System

https://github.com/suwalkrizal/janak-smriti-school

Python ,Django, PostgreSQL, SMTP

- Engineered a robust Django backend to manage blogs, galleries, and contact forms
- Integrated automated email notifications via SMTP for user engagement
- Designed clean, scalable database models with PostgreSQL for efficient content management
- Utilized Django Admin to enable non-technical staff to manage site content seamlessly
- Ensured modular structure for easy future API or frontend integration

Education

- Bachelor in Computer Science and Information Technology (B.sc CSIT)   **2077 - ongoing**
  - ➢ Kathmandu College of Technology (KCT)   (Lokhanthali)

- +2 Science   **2074-2077**
  - ➢ Khwopa Secondary School   (Dekocha,BKT)

- Secondary Education Examination (SEE)   **2073**
  - ➢ Everest English School   (Byasi,BKT)

Relevant Experiences

Django Developer Intern

Mindriser Technologies | [Nov 2024 - May 2025]

- Developed backend features using Django and Django REST Framework
- Implemented data encryption for secure storage and transmission
- Utilized Python threading for background task execution
- Worked with PostgreSQL and Redis for performance optimization
- Collaborated using Git and participated in Agile development cycles

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Certificate

IT FEST 2081 – Hackathon Participant

Purbanchal University | 24–25 March 2025

Project: Purbanchal University Website

Built a fully functional university website using Next.js for the frontend and Django for the backend.

Key features included:

- Responsive and SEO-optimized UI with server-side rendering (Next.js)
- Admin dashboard to manage news, events, and department content
- User authentication system with login, registration, and role-based access (Admin/Student)
- REST API built with Django and integrated with the frontend
- Used PostgreSQL for structured data storage

Tech Stack: Next.js, React, Django, Django REST Framework, CSS, PostgreSQL, Git

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Skills

Technical Skills:

- Python with Django
- Html and CSS
- C/C++
- WordPress
- MS Word
- PostgreSQL

Soft Skills:

- Problem Solving
- Adaptability
- Communication
- Attention to Details
- Team Work

Reference

Diwakar Upadhayay (Lecturer)

Kathmandu College of Technology (KCT)

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