

### 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: Handi Q – 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)
  - Kathmandu College of Technology (KCT)**2077 - 2082**  
(Lokhanthali)
- +2 Science
  - Khwopa Secondary School**2074-2077**  
(Dekocha,BKT)
- Secondary Education Examination (SEE)
  - Everest English School**2073**  
(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
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**Reference**

**Diwakar Upadhayay (Lecturer)**

Kathmandu College of Technology (KCT)

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