

Prabesh Upreti

Python Developer & Tech Enthusiast

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Profile Summary

Python and data enthusiast with hands-on experience building data-driven RESTful APIs using FastAPI and working extensively with structured data in relational databases such as PostgreSQL and MySQL. Proficient in database schema design, query optimization, and data validation to ensure data accuracy and consistency. Experienced in developing Python-based automation scripts, ETL-style data-processing services, and backend logic to transform raw data into reliable, well-structured datasets. Motivated to build scalable data-centric systems, write clean and maintainable code, and collaborate effectively within development teams.

Education

Bachelor in Computer Science Information and Technology 2021 – 2025

New Summit College — Tribhuvan University

Relevant Coursework: OOP, Web Development, Web Scraping, Database Systems

Professional Experience

Telematics Tech Pvt. Ltd. Present

Software Developer

- Developed and maintained a Management Information System (MIS) using the Odoo framework to support end-to-end business ERP workflows.
- Implemented and customized Odoo modules to manage core business operations, ensuring seamless integration across departments.
- Worked extensively with Python and relational databases to design, optimize, and maintain data models and business logic.
- Improved data accuracy and operational efficiency by streamlining processes and automating routine business tasks.
- Collaborated with cross-functional teams to analyze business requirements and translate them into scalable technical solutions.

Infogram Technologies May–July(2025)

Python Developer Intern

- Designed and implemented backend APIs with FastAPI, creating RESTful endpoints for multiple application modules.
- Optimized PostgreSQL databases through efficient schema design, performance tuning, and smooth data migration.
- Utilized Docker for application containerization, ensuring consistent deployment and streamlined workflows.
- Collaborated with the development team on code reviews, debugging, and enforcing Python best practices.

Projects

AgroTide Farming — Django-based platform for farmers to monitor crops, analyze data, and manage agricultural activities. Includes weather tracking, sensor data handling, and field record management.

Vehicle Renting System (Odoo) — Built a custom module in Odoo to manage vehicle rentals, enabling users to register rentals, track rental periods, and generate automated invoices for customers. Integrated rental workflows with Odoo's accounting module to ensure accurate pricing, billing, and record management.

E-Commerce Website — Django REST Framework backend with token-based authentication. Supports product listings, cart management, and admin CRUD operations.

Task Management Application (FastAPI) — Built a RESTful task management system using FastAPI that enables users to add, update, and track tasks. Utilized Pydantic for data validation and designed well-structured API endpoints to ensure high performance, maintainability, and seamless integration.

Data Automation Scripts (ETL) — Designed and implemented Python-driven ETL pipelines to extract, transform, and load data into structured databases. Automated data validation, cleaning, and reporting workflows using Pandas and SQLAlchemy, ensuring high data quality and reliable processing of large datasets.

Skills

Programming: Python (OOP, API Development), JavaScript, SQL

Frameworks: Django, Odoo, FastApi

Databases: PostgreSQL, MySQL, MS-SQL

Tools & Libraries: Git/GitHub, Linux, Docker, Pandas, NumPy

Data Skills: Data Extraction, Cleaning, Transformation, Visualization, Microsoft Excel

Other: REST APIs, Automation Scripts, Problem Solving

Certifications & Training

- Zuiitt Coding Bootcamp — Certificate of Participation
- Robowars 2023 — Certificate of Participation

Soft Skills

Problem Solving — Adaptability — Team Collaboration — Time Management