

About Me

Backend developer specializing in Python and FastAPI, with experience designing scalable APIs and backend architectures for SaaS, ERP, and booking systems.

Technical Skills

- Languages**
Python | HTML | CSS | SQL
- Backend Development**
FastAPI | REST API Design | Async Programming
- Database**
PostgreSQL | EdgeDB | SQLAlchemy
- Tools & Technologies**
Firebase Authentication | Firebase Cloud Messaging | Docker | Git
- Concepts**
API Architecture | Authentication & Authorization | Role-Based Access Control (RBAC) | Real-Time Systems | Scalable Backend Design

Key Projects

- CertSync (Freelance)**
Credential management platform with subscription based access.
- Comprehensive Project Management Tool (College Project)**
Developed a system for task tracking, team collaboration, and project management.

Spoken Language

- Nepali
- English – DET(130/160)
- Newari
- Hindi

Education Background

- B.Tech Computer Science Engineering**
Vellore Institute of Technology(2020–2024)
Vellore, TamilNadu, India
- Higher Secondary Level (+2 Science)**
United Academy (2018–2020)
Kumaripati, Lalitpur, Nepal

Professional Experience

- Python Backend Developer**
Hridayangam Technology
Sanepa, Lalitpur, Nepal
July 2024 – Present
 - Develop backend services using Python and FastAPI for multiple internal and client applications.
 - Designed and implemented APIs for an e-commerce platform connecting producers and consumers.
 - Built backend systems for an ERP platform.
 - Designed scalable database schemas using PostgreSQL, EdgeDB and SQLAlchemy.
 - Implemented role-based access control (RBAC) for multi-user systems.
 - Worked on a blog project using Strapi, exploring integration with EdgeDB.
 - Followed best practices in API development, database management, and system design.
- Freelance Backend Developer**
Remote
 - Designed and developed backend APIs using FastAPI and PostgreSQL for SaaS and web applications.
 - Integrated Firebase Authentication for secure user authentication.
 - Implemented Firebase Cloud Messaging (FCM) for push notifications.
 - Built subscription-based systems using Stripe, including webhook handling.
 - Developed scalable backend architectures using layered structure.
 - Containerized applications using Docker for consistent development and deployment.
 - Followed best practices in API development, database management, and system design.