Er. Pawesha Shrestha
Kathmandu, Nepal
📞 +977-9866073358 | ✉ pawesha24@gmail.com
GitHub: github.com/Paweshashrestha | Portfolio: my-portfolio-gamma-two-23.vercel.app

PROFESSIONAL SUMMARY

Backend Engineer specializing in **Django, Django REST Framework, REST APIs, and scalable backend systems**. Experienced in **multi-tenant architecture, role-based permissions, Dockerized deployments**, and production-ready API development. Skilled in **optimizing performance and automating workflows** to improve project efficiency and system reliability.

TECHNICAL SKILLS

Backend: Python, Django, Django REST Framework, Spring Boot
Frontend: React, Next.js, TypeScript, Vue.js
DevOps: Docker, Git, CI/CD, Linux, Systemd, GitHub Actions
Database: MySQL, PostgreSQL

PROFESSIONAL EXPERIENCE

Hinomaru Tech Pvt. Ltd. — Junior Software Developer
Jan 2025 – Present

- Developed and integrated **REST APIs** for a **real estate web application in Japan**, supporting property listings, watchlist management, and notifications.
- Implemented **tenant-based permissions** and **role-based access control** for a **multi-client ERP HR system**.
- Contributed to **backend reliability, scalability, and data management**, while collaborating on **Next.js frontend integration** for dynamic data rendering.

Yaj Tech Pvt. Ltd. — Web Development Intern
Jan 2024 – Apr 2024

- Developed **frontend components** for **EdTech applications** using Quasar and Vue.js, integrating REST APIs.
- Assisted in **backend API testing and debugging** to ensure smooth application functionality.

KEY PROJECTS

Django Multi-Tenant API Change Detection Application | Django
GitHub: github.com/Paweshashrestha/django-tenant-api-change-detection

- Built **scalable RESTful APIs** using DRF with **subdomain-based multi-tenancy**.
- Integrated **OpenAPI documentation** for developer usability.
- Dockerized with **CI/CD automation using GitHub Actions**.
- Added **API change detection and Telegram notifications** for frontend-backend efficiency.

MeroShare IPO Automation System | Python
GitHub: github.com/Paweshashrestha/meroshare-ipo-automation

- Fully automated **IPO detection and application workflow**, eliminating manual effort entirely (100% automation).
- Runs **every day at 11:11 AM**, automatically filling IPO applications when conditions match.
- Added **multi-account support** with **Telegram notifications**.
- Scheduled and managed execution using **systemd timers** for reliable daily operation.

Patient Management System (Microservices) | Spring Boot | In Progress
GitHub: github.com/Paweshashrestha/patient-management

- Developing **API Gateway** with **JWT authentication, rate limiting, and circuit breaker**.
- Building **event-driven architecture** with Kafka and gRPC across **Patient, Auth, Billing, and Analytics services**.
- Containerizing services using **Docker Compose** for consistent development and deployment.

EDUCATION

Bachelor of Computer Engineering
Kathmandu Engineering College | 2019 – 2024
Academic Project: Electricity Consumption Analysis & Prediction (Team of 4)
GitHub: *github.com/Paweshashrestha/Electricity-Consumption-Analysis-and-Prediction*

- Built forecasting dashboard using Python and Streamlit.
- Implemented time-series prediction and data visualization.

LANGUAGES

English (Fluent) | Nepali (Native) | Hindi (Fluent)