Naran Khadka

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Python Developer | Backend Developer | Django Developer
Python | Django | Django REST Framework | SQL | REST APIs | PostgreSQL | MySQL | Git | GitHub

PROFESSIONAL SUMMARY

- **Backend Developer** with **1+ year of professional experience in data-related workflows** and **3 months of hands-on frontend development experience**. Experienced in **Python, Django, Django REST Framework, SQL, REST APIs**, and database-driven applications.
- Develop practical **backend applications** with a focus on **clean architecture, API development, authentication, role-based access control, database design, validation**, and exception handling.
- Experienced in developing practical **data and AI-related solutions**, including **web scraping, data collection, data annotation, data validation**, dataset preparation, and structured data processing.
- Seeking opportunities in **Python backend development, Django, REST API development, software engineering, data engineering, and AI/ML**.

KEY ACHIEVEMENTS

- **Built 2 practical e-commerce and marketplace applications** supporting **3+ user roles**, covering product management, user management, cart management, order processing, authentication, and role-based access control.
- **Developed a Django-based marketplace backend** for Nepali farmers with **Farmer, Buyer, and Admin** roles, supporting direct product selling and purchasing.
- **Implemented backend security and performance features** including **JWT authentication, token refresh, Role-Based Access Control (RBAC), IP rate limiting, Redis caching**, and Sparrow SMS integration for OTP and price alerts.
- **Built a Playwright-based web scraper** for daily wholesale market prices, supporting **Nepali script and fuzzy crop-name matching** for structured data processing.
- **Designed relational database structures and layered backend architecture** using **JPA/Hibernate and Controller, Service, and Repository components** for maintainable e-commerce backend development.

TECHNICAL SKILLS

- **Programming:** Python, SQL, Java, Object-Oriented Programming (OOP)
- **Backend Development:** Django, Django REST Framework (DRF), Spring Boot, RESTful APIs, API Development, Layered Architecture
- **Databases & ORM:** PostgreSQL, MySQL, SQLite, JPA/Hibernate, Relational Database Design, Database Relationships
- **Authentication & Security:** JWT Authentication, Token Refresh, Role-Based Access Control, IP Rate Limiting, Input Validation, Exception Handling
- **Data & AI:** Data Annotation, Data Validation, Web Scraping, Dataset Preparation, AI Model Training Support, Fuzzy Matching
- **Tools & Technologies:** Git, GitHub, Postman, Redis, Playwright, Sparrow SMS

PROFESSIONAL EXPERIENCE

Frontend Developer Intern
Ambience Infosys Pvt Ltd, Remote | April 2026 – July 2026

- Developed and deployed a responsive **e-commerce product catalog** using **React, Vite, and Tailwind CSS**, integrating the application with a live API.
- Implemented core e-commerce functionality including **cart management, product search, filtering, pagination**, and **NPR currency formatting**.
- Integrated **live API data** and optimized frontend data handling for improved performance and usability.

Data Analyst Operator
Simjung Pvt Ltd, Lalitpur, Nepal | March 2023 – March 2024

- Labelled and annotated **10,000+ images for AI** model training while maintaining dataset quality and consistency.
- Reviewed and verified **daily data tasks** with strong attention to detail to maintain accuracy and consistency in reports.
- Collaborated with team members to complete assigned **data-related tasks** efficiently and meet reporting deadlines.
- Organized and executed **routine data tasks** systematically to maintain smooth workflows and ensure timely completion of responsibilities.

PROJECTS

Kisaan Bazar Web Application | Python, Django, Django REST Framework, SQL | 2026

- Developed a **marketplace web application** connecting Nepali farmers directly with buyers, with separate functionality for **Farmer, Buyer, and Admin** roles.
- **Engineered** a **Playwright-based scraper** to collect daily wholesale prices from Kalimati Market, including **Nepali script support and fuzzy crop-name matching.**
- Implemented **JWT-based authentication with token refresh** for secure user authentication and session management.
- **Configured IP rate limiting and Redis caching** to improve application security and performance.
- Integrated **Sparrow SMS** for OTP functionality and **automated price alerts**.
- Implemented **bilingual Nepali and English support** across the application using a custom **Language Context**.

E-Commerce Web Application (Backend) | Java, Spring Boot, MySQL | 2025

- Developed a **monolithic e-commerce backend** supporting **Admin, Seller, and Customer** roles through role-based access control.
- Designed and implemented **RESTful APIs for user management, product listing, cart management, and order processing.**
- Designed **relational database schemas** using **JPA/Hibernate** with relationships between users, products, and orders.
- Applied **layered architecture** using **Controller, Service, and Repository** components to maintain separation of responsibilities.
- Implemented **input validation and exception handling** to **improve backend reliability and API behavior.**

AWARDS & CERTIFICATIONS

- **Django & Django REST Framework – Skill Sikhya (2025):** Completed a **20-day structured course** covering Django fundamentals, ORM, views, serializers, and REST API development with DRF.
- **Data Structures and Algorithms with Java – Apna College (2023):** Completed a **4.5-month intensive course** covering arrays, linked lists, stacks, queues, trees, graphs, and algorithmic problem-solving.

EDUCATION

Bachelor of Computer Applications (BCA)
VS International College, Tribhuvan University | 2022 – 2027 (Final Year)

ADDITIONAL INFORMATION

Based in Nepal | Open to **Python Developer, Backend Developer, Django Developer, Software Engineer Intern, and Junior Software Engineer** roles.