

Umesh Tamang

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Enthusiastic IT student passionate about backend development. Skilled in Python, Django, REST APIs, and database design.

EDUCATION

TRIBHUVAN UNIVERSITY

Bachelors in Computer Application (BCA)
Kathmandu College of Technology
(2020 batch- Completed)

SKILLS

- Frontend Stack: HTML, CSS, JavaScript
- Programming Language: Python
- Framework: Django
- REST API Framework: Django Rest Framework (DRF)
- Databases: SQL, MySQL, PostgreSQL
- API Testing Tools: Postman, Thunder Client
- Tools: Git and GitHub, VS Code
- Soft Skills: Time management, communication

EXPERIENCE

Online Mathematics Tutor – Diploma in Agriculture (First Year)
Mathematics Tutor – Class 9 and Class 10

PROJECT

ECOMMERCE WEBSITE [Link](#)

This is a Django e-commerce website that provides a shopping platform for customers and an admin panel for management and includes separate authentication for customers and admins, session-based cart management.

Features:

- Customers can browse and search products, add items to a cart, register/login, place orders with Cash on Delivery or Khalti, view order history
- Admins can manage products, view and manage orders (update status from "Order Received" to "Order Completed"), and access a dashboard showing pending orders

EXPENSES/INCOME TRACKER API WITH DRF [Link](#)

Tracker API is a comprehensive RESTful API built with Django REST Framework for managing personal finances.

Features:

- JWT-based user authentication and access control for regular users and superusers
- Allowing complete CRUD operations on expenses and income with automatic tax calculation
- The API supports paginated responses, filtering by transaction type, tax type, and date, full-text search on titles and descriptions, and ordering by amount, date, or title
- Multiple renderers (JSON, browsable API, admin), parsers (JSON, form, multipart)

WORKER APPOINTMENT SYSTEM [Link](#)

This is a Django-based service marketplace connecting customers with service workers (plumbers, electricians, carpenters, etc.).

Features:

- Customers Haversine Distance Algorithm computes the distance in kilometers between customers and workers using the great-circle distance on Earth's spherical surface
- Bayesian Average Rating Algorithm calculates fair ratings for workers
- Sorting Algorithm sorts workers by distance (nearest first) or rating (highest first), with distance as the default when customer location is available, otherwise by rating

PRODUCT MANAGEMENT SYSTEM [Link](#)

A Django-based system for uploading, parsing, and managing product data from Excel/CSV files.

Features:

- File Upload: Accept CSV and Excel files (.csv, .xlsx, .xls)
- Django Admin Interface: Full-featured admin panel with filtering, searching, paginating, ordering

BLOG WEBSITE [Link](#)

Full-featured blog with user authentication, CRUD operations, image uploaded, search and pagination.

RESPONSIVE PORTFOLIO WEBSITE [Link](#)

Personal website with modern responsive design, dark/light mode, showcasing projects, skills, contact, about and download cv.

KEEP NOTES WEBSITE [Link](#)

Note management website with authentication, search and pagination.

TRAINING / CERTIFICATION

Python-Django Developer Trainee- Sipalya InfoTech Pvt.Ltd

(3 months)

LANGUAGES

Nepali

English