Umesh Tamang *IT student*

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○ GitHub

Profile

Enthusiastic IT student passionate about full stack development. Skilled in Python, Django, REST APIs (DRF), and database design (SQL, MySQL, PostgreSQL), HTML, CSS, JS, React (basic), Git/GitHub and Postman.

Experience

	Online Mathematics Tutor – Diploma in Agriculture (First Year) Mathematics Tutor – Class 9 and Class 10
Sano gaucharan, Naxal, kathmandu (SYDREC)	Django Developer Internship: Gained hands-on experience and learned key concepts during a one-week demo Django internship. (Just one week)

Education

Kathmandu College of Technology	**Bachelors in Computer Application (BCA)** *TRIBHUVAN UNIVERSITY* (2020 Batch- Bachelor Completed)

Skills

Frontend Stack
HTML, CSS, JavaScript, React (basic)

Language
Python

Framework
Django

REST API Framework
Django Rest Framework (DRF)

Databases
SQL, MySQL, PostgreSQL

API Testing Tools
Postman, Thunder Client

Tools
Git and Gitllub, VS Code

Soft Skills
Time management, communication

Languages

English
Nepali

Projects

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 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
- CRUD operations on expenses and income with automatic tax calculation
- 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

CRUD APPLICATION WITH IMAGE UPLOADS (REACT + DRF) | Link ⧉

A full-stack web application built with Django REST Framework and React.js (using hooks) that enables complete CRUD (Create, Read, Update, Delete) operations for products with image upload functionality, demonstrating modern web development practices with a RESTful API backend and a responsive React frontend.

ESEWA INTEGRATION WITH ECOMMERCE WEBSITE | Link ⧉

Esewa-Integration is a Django e-commerce app with eSewa payment integration.

Features:
- Users can register, browse products with search/filter, view details, add to cart, place orders, and pay via eSewa (RC test) or Cash on Delivery. They can view order history and manage their profile
- Admins have a dashboard to manage products (add, update, delete) and categories (add, update, delete) with staff-only aceess

PRODUCT MANAGEMENT SYSTEM | Link ⧉

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

Features:
- Accept CSV and Excel files
- 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 ⧉

A modern, responsive portfolio website built with Django, showcasing about, education, projects, skills, contact and download CV. Features a clean design with dark mode support and mobile-friendly navigation.

KEEP NOTES WEBSITE | Link ⧉

A Django-based note-taking web application that allows users to create, manage, and organize their personal notes including user authentication, search and pagination.

Training/Certification

Python-Django Developer Trainee- Siplaya InfoTech Pvt.Ltd ⧉
(3 months)