

# Kamal Rai

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## Summary

I am Kamal Rai, a final-year Computer Science student specializing in backend development with Python and Django. I am passionate about designing clean, scalable, and maintainable web systems. I am actively seeking a Django internship to contribute to real-world projects, absorb industry best practices, and grow into a professional developer under expert mentorship.

## Skills

- **Programming Languages:** Python (Django, DRF)
  - **Web Development:** HTML, CSS, Bootstrap, Basic JavaScript
  - **Database Management:** Basic understanding of relational databases (e.g., PostgreSQL, MySQL)
  - **Version Control:** Git and GitHub
  - **Operating Systems:** Windows, macOS
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## Education

### Bachelor of Science in Computer Science and Information Technology (BSc.CSIT)

Tribhuvan University (TU) (2022-present)

- **Relevant Coursework:** Operating Systems, Data Structures and Algorithms, Networking, Software Engineering, Scripting and Automation, AI, Mathematics I, II, Statistics I, II.
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## Projects

### [MeetMyTutor](#) – Nearest Tutor Finder

*Tech:* Python (Django), HTML, CSS, Tailwind CSS, JavaScript, WebSockets

- Built an intelligent platform that connects students with nearby tutors based on location, subjects, and qualifications.
- Implemented location-based search using geodesic distance and integrated Dijkstra's algorithm for shortest path computation between students and tutors.
- Designed a flexible offer system where students can send requests and tutors can respond with counteroffers.
- Added features like profile viewing, rating & feedback, chat functionality, and secure session booking.
- Implemented dashboards for students, tutors, and admin to manage profiles, requests, sessions, and feedback smoothly.

### [Momo Restaurant Website](#) | [Live Demo]

*Tech:* Python (Django), HTML, CSS, Bootstrap, JavaScript, Google Auth, GitHub Auth

- Created a restaurant site with a menu display.
- Admin panel for product management (add, edit, delete)
- Integrated secure login using Google and GitHub OAuth

## OwniesVerse – an Ecommerce Website

*Tech:* Python (Django), PostgreSQL, Javascript, Tailwind CSS, Khalti Payment Gateway, CKEditor 5, Jazzmin Admin

- Built a complete production-ready e-commerce website with product catalog, categories, dynamic discounts, and multi-image support.
- Implemented session-based shopping cart, checkout flow, and user order dashboard.
- Integrated Khalti Payment Gateway with full payment initiation and server-side verification.
- Developed custom user authentication, profile management (photo + bio), and secure order history system.
- Designed rich product descriptions using CKEditor 5 and a modern, responsive frontend.
- Created a beautiful, highly efficient admin panel using Jazzmin for managing products, orders, and users.

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## Certification

### **Python with Django Web Development**

#### **Sipalaya Info Tech, Nepal – [May-July] (3-Month Intensive Course)**

- Completed professional training focused on Python and the Django web framework.
  - Mastered core Django concepts: models, views, templates, URL routing, forms, authentication, admin customization, and session management.
  - Built and deployed fully functional web applications using Django, PostgreSQL, and Git version control.
  - Learned production-ready practices including database migrations, static/media handling, environment configuration, and deployment on platforms like Heroku.
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