

# JITENDRA KARKI

Kathmandu

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## Backend Developer

- Driven IT student with practical experience in Python and Django, eager to contribute to innovative projects. • Proficient in crafting APIs, optimizing databases, and implementing secure authentication solutions.
- Passionate about developing scalable, efficient systems and collaborating in dynamic, fast-paced environments.

## WORK EXPERIENCE

### **Treeleaf.ai • Shankhamul, Lalitpur • 12/2024 - 04/2025**

Treeleaf is an innovative tech company that specializes in AI for the advancement of the human race.

#### **Python Backend Developer • Internship**

Assisted in developing and maintaining backend systems using Python and Django/FastAPI.

Collaborated with senior developers to implement RESTful APIs, manage databases

(PostgreSQL/MySQL), and ensure system scalability and performance. Participated in debugging, code reviews, and version control using Git.

## EDUCATION

### **Bachelors In Information Management +2 / Higher Secondary School SEE**

Nepal Commerce Campus • Minbhavan, Kathmandu • 03/2021 - Present

Grammar Public Higher Secondary School • Koteshwor, Kathmandu • GPA: 2.69 • 06/2017 - 05/2019

Welfare Academy • Thimi, Bhaktapur • GPA: 3.65 • 04/2009 - 04/2016

## CERTIFICATIONS

### **Python with Django • 05/2024 - 09/2024 Broadway Infosys**

## PROJECTS

### **Kwak Poultry**

- Developed a user-friendly website for poultry management using HTML, CSS, and JavaScript.
- Designed responsive layouts for seamless access across devices. Implemented features for showcasing poultry products, pricing, and contact forms.
- Enhanced interactivity with JavaScript for dynamic content and smooth user experiences. Focused on clean design, accessibility, and intuitive navigation.

### **Bank Database Management System**

- Designed and implemented a relational database for managing customer accounts, transactions, and balances in a bank system.

- Developed efficient database schema and queries to support real-time transactions, account management, and secure data storage.
- Ensured data integrity and optimized performance for large-scale banking operations.

## **Book Management System**

- Features include user authentication, CRUD functionality for books, authors, and genres, as well as advanced search and filter options.
- Integrated a user-friendly interface with responsive design and utilized Django ORM for efficient database management.
- Ensured data security and implemented role-based access controls.

## **Government Project Management System**

- Developed a full-stack web application using Django Rest Framework, HTML, CSS, and JavaScript to streamline government project management and transparency.
- Implemented role-based authentication (Government, Company, Public) to ensure secure and controlled access.
- Enabled the government to add, assign, and monitor projects, while companies manage tasks, budgets, and transaction.
- Integrated feedback and email notification systems for better communication and accountability.
- Utilized PostgreSQL for efficient relational data handling and Agile methodology for iterative development.

## **SKILLS**

API integration and development, Database ( MYSQL, PostgreSQL ) , Javascript, python & Django, Web Technologies: HTML, CSS

**LANGUAGE:** English, Hindi, Nepali