

Bibash Bayalkoti

Python Developer, Web Developer

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Summary

I am a certified Python and Django developer with hands-on experience in building scalable web applications using Django Rest Framework. I enjoy developing clean, efficient backend systems and working with RESTful APIs. Currently, I am eager to apply my skills in a professional environment, learn from experienced developers, and grow as a backend developer.

Education

- Bachelor in Computer Application, Tribhuvan University, Kirtipur, 2022-2027

Skills

- Python
- Django
- Django REST Framework

Achievements

- Certificate of completion of Python with Django training
- Certificate of completion of the Diploma in Computer

Languages

- Nepali
- English
- Hindi

Projects

Library Management System

- Developed a Library Management System using Python, Django, and Django Rest Framework to manage core library operations such as book records, user profiles, and borrowing history. The system includes a well-designed database schema, full CRUD functionality, role-based authentication for admins and members, and secure REST APIs. Features like searching books by title, author, or genre, filtering borrowing records by member or due date, pagination for efficient data display, and clear API documentation were implemented to ensure scalability, usability, and maintainability.

Enhanced Learning Management System

- Built an Enhanced Learning Management System using Django and Django Rest Framework with multiple user roles including Admin, Instructor, Student, and Sponsor. The platform supports course management, student enrollment, assessments, and sponsorship tracking through a custom-designed database and RESTful APIs. Key features include role-based authentication using Django Groups, advanced searching

and filtering, pagination, analytics dashboards, email and notification systems, and well-documented APIs. The project focuses on real-world LMS workflows, clean backend architecture, and scalable system design.