Amit Kumar Rajak

Python Developer

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Passionate and dedicated backend developer with hands-on training experience in building robust and scalable web applications using Django and FastAPI frameworks. Skilled in RESTful API design, database management (PostgreSQL/MySQL), and implementing authentication and authorization mechanisms including JWT. Familiar with modern development tools, version control (Git), and Agile methodologies. Eager to apply strong problem-solving skills and continue learning to contribute effectively in real-world projects.

EXPERIENCE

Python/ Django Trainee
Kathmandu

SkillShikshya — Feb, 2025 - Apr, 2025

- Built RESTful APIs using Django Rest Framework (DRF), including serializers, viewsets, and routers.
- Implemented JWT, PostgreSQL and session-based authentication, along with role-based access control.
- Managed databases using Django ORM, optimized queries with indexing and caching.
- Implemented user authentication and authorization with Django's built-in user model and custom permissions.

EDUCATION

BSc in Computer Science and Information Technology
Biratnagar

Nihareeka college of Management & IT — Mar, 2021 – Mar, 2025

I am graduated with a Bachelor in Computer Science and Information & Technology from Nihareeka College of Management & IT. My academic journey included key coursework in Advanced Programming, Web Development, Database Systems, Networking, and Software Development, equipping with a strong foundation in modern technologies and problem-solving skills.

PROJECTS

Online Transaction System 🔗

- Developed a scalable transaction platform with RESTful APIs, integrating transaction history and robust error handling.
- Implemented Django for the backend, including custom models, views, and templates.
- Built a dynamic React frontend to deliver a smooth and responsive user experience.
- Generated PDF reports of transaction details as part of the platform's functionality.
- Technologies: Python, Django, SQLite, React, Bootstrap.

LabTech – Appointment Booking System 🔗

- Developed full CRUD functionality for lab services, branches, galleries, and social media integration.
- Implemented OTP-based password reset via gmail for admin and implemented automated email notifications.
- Efficient APIs with filtering, searching, and rate-limiting, ensuring smooth user experience and data management.
- Technologies: Python, Django, PostgreSQL, DRF.

Library Management System 🔗

- Built a Library Management System with Django and DRF, managing books, authors, transactions, and more.
- Implemented role-based permissions and token authentication for secure access control.
- Optimized data handling with pagination, filtering, and search features.
- Technologies: Python, Django, Django Rest Framework, JWT Auth

SKILLS

Python, Django, FastAPI, Pandas Web Development: HTML, CSS, JavaScript, Docker, Backend Knowledge Django with API integration, Tools: Github, VS Code, figma, Accuracy and attention to detail., Good communication Hardworking Discipline Team work, Problem Solving and Debugging, Frontend Web Development (HTML CSS JS Bootstrap React)

Languages

Nepali and English