Niraj Karki

Portfolio | nirajkarki0.com.np · Github | https://github.com/Niraj-commits · Email | karki.ni018@gmail.com
Address | Swoyambhu,Kathmandu · Phone | +977 9864000888

DJANGO DEVELOPER

Backend developer with a background in data operations and inventory systems. Skilled in Django, DRF, and PostgreSQL, with a strong understanding of database structures and data-driven backend development.

PROFESSIONAL EXPERIENCE

Pivotech Nepal Pvt. Ltd. (Jan 2024 - Aug 2024)

Data Analyst

- Collected and processed product related data from customers for integration into an Inventory Management System
- Analyzed and mapped customer data fields to match internal database schema
- Used MySQL to clean, reformat, and upload large datasets into the backend system
- Gained hands-on experience with relational databases and understanding of data structures used in business operations

Wepro Technology Pvt. Ltd. (July 2025 - September 2025)

Django Intern

- Developed and maintained REST APIs using Django REST Framework (DRF).
- Designing and managing database models and relationships using PostgreSQL.
- Implemented authentication and authorization systems, including JWT-based token authentication.
- Writing and optimizing queries using Django ORM, and improving application performance.
- Participating in code reviews, collaborating with team members, and using Git for version control.

TECHNICAL SKILLS

- Languages: Python
- Frameworks: Django, Django REST Framework
- Databases: PostgreSQL, MySQL
- Tools: Git, GitHub, MS Excel
- Other: Bootstrap (basic), REST API design, data mapping, inventory systems

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PROJECTS

- Invento - https://github.com/Niraj-commits/Invento

Tools Used :
DRF,simple_jwt,PostgreSQL,redis,celery,mailtrap,
django-filters,debug_toolbar,drf_spectacular

Description:

- Includes Authentication and Authorization Using simple-jwt.
- PostgreSQL is used for Database Management.
- Drf_Spectacular for Documenting API.
- Mailtrap for testing emails.
- celery tasks for sending mails and redis as a broker.
- django-filters for filtering data and debug_toolbar for performance optimization.

- Easy Buy API - https://github.com/Niraj-commits/EasyBuy-API

Tools Used:

Django,DRF,SQLite,debug_toolbar,drf_spectacular

Description:

- Developed an E-commerce API application that handles order placing and assigning with email notification for order status
- Implemented user authentication using token based and role based authorization.
- Integrated search and filter features , allowing users to filter and search entries by name,order status.
- Implemented drf_spectacular for documenting API.
- Used SQLite to store data locally, optimizing queries for search and filter operations, and improving data retrieval performance with indexing where applicable

- Kharcha - https://github.com/Niraj-commits/Kharcha

Tools Used :

Django,Bootstrap,SQLite

Description:

- Developed a web application that tracks expenses and income
- Integrated search and filter features , allowing users to search entries by name and filter by date added or entry type
- Applied Bootstrap for responsive and user friendly UI
- Used SQLite to store data locally, optimizing queries for search and filter operations, and improving data retrieval performance with indexing where applicable

- LibraApp - https://github.com/Niraj-commits/LibraApp

Tools Used:

Django,DRF,PostgreSQL,debug_toolbar,drf_spectacular

Description:

- Developed an Library Management API application that handles books borrowed records , new book reord creation and returned book records.
- Implemented user authentication using token based authorization.
- Integrated search and filter features , allowing users to search and filter entries by book name and availability status.
- Implemented drf_spectacular for documenting API.

EDUCATION

Bachelors in computer applications

National College,Tribhuwan University (2019-2023)

High School (+2 level),Science Stream

National School of Science and Technology,NEB (2017-2019)

Secondary Education Examination (SEE)

Tripura Glorious Academy,NEB (-2017)