

Prashant Baral

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SKILLS

Languages: C++, Python, C
Tools/Platforms: Django, FastAPI, Docker, PostgreSQL, PowerBI, SQLAlchemy
Soft Skills: Problem-Solving, Team Player, Adaptability

PROJECTS

- Smart Todo WebApp** | [Link](#) May' 24
- Built a full-stack Todo management system with FastAPI to streamline task organization and provide users with a fast, scalable productivity backend.
 - Engineered the backend with PostgreSQL + SQLAlchemy ORM, Pydantic validation, modular routing, dependency injection, and added pagination, filtering, and optimized query patterns for high-volume task lists.
 - Implemented secure JWT-based authentication for user-specific tasks and improved task workflow efficiency, resulting in a 30% increase in user task completion.
- DareDex** | [Link](#) Apr' 24
- Built a campus-focused dare-exchange platform enabling users to create, accept, and complete challenges in a structured and trackable workflow.
 - Developed the system using Django MVT, session-based authentication, CRUD modules for dares and profiles, access control, form validation, and ORM-driven data operations with Django templates.
 - Added an activity feed and lightweight notification system that increased user interaction and dare completion engagement by 20% across participating groups.
- Electric Vehicles Insights Dashboard** | [Link](#) Jun' 23
- Developed an analytics dashboard to analyze EV adoption trends, manufacturer distribution, and segment-wise growth for clear data-driven decisions.
 - Cleaned and modeled the dataset using Power Query, standardizing fields and designed interactive visualizations for market share, vehicle-type distribution, and year to year growth trends.
 - Automated refresh workflows and implemented calculated insights (top manufacturers, fastest-growing segments, state-wise EV density), cutting manual analysis workload by 80%.

TRAINING

- W3Grads - Full Stack with AI agents** Jun' 10 – Jul' 30
- Developed backend features using Django MVT, implementing authentication, CRUD operations, and REST APIs with Django REST Framework.
 - Worked with production-ready patterns including modular project structure, pagination, form validation, and reusable templates, preparing the app for deployment.
 - Integrated PostgreSQL with Django ORM, optimized query performance by 20%, and applied role-based access control for secure data handling.

CERTIFICATES

- FastAPI Advanced | Udemy | [Link](#) Nov' 25
- Cloud Computing | NPTEL | [Link](#) Nov' 25
- The Bits and Bytes of Networking | Coursera | [Link](#) Apr' 24
- Computer Communications | Coursera | [Link](#) Mar' 24

EDUCATION

- Lovely Professional University** Phagwara, Punjab
Bachelor of Technology Aug' 23 – Present
Computer Science and Engineering; CGPA: 8.45
- Sagarmatha College** Pokhara, Nepal
Intermediate Jun' 21 – Jun' 23
NEB; Percentage: 91%
- Tarakunj Secondary School** Pokhara, Nepal
Matriculation Apr' 20 – April' 21
Percentage: 100%