

Kiran Chaudhary

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SUMMARY

Experienced **Database Developer** with expertise in writing optimized SQL queries, functions, and stored procedures. Skilled in **database design**, **performance tuning**, and **query optimization** to ensure efficient and scalable data structures. Proficient in **Python and FastAPI**, enabling seamless backend development and API integration. Adept at working closely with API teams to deliver well-structured, high-performance data solutions. Passionate about backend development, **ETL pipelines**, and building efficient data architectures that support business needs. Looking for opportunities to leverage database expertise and backend skills in a dynamic environment.

EXPERIENCE

Associate Software Engineer | OTSI | Delhi | November 2022 - Present

- **Database Development & Optimization:** Write efficient SQL queries, stored procedures, and functions to optimize database performance.
- **Schema Design:** Design and maintain compact, normalized, and optimized database schemas to improve efficiency and scalability.
- **Performance Tuning:** Optimize queries, indexes, and database structures to enhance performance and reduce execution time.
- **API Development & Integration:** Work with Fast API to build high-performance APIs and collaborate with API teams to provide seamless data access.
- **ETL & Data Management:** Develop and maintain ETL processes to efficiently handle data extraction, transformation, and loading.
- **Query Optimization:** Analyze and refine slow-performing queries to improve database efficiency.
- **Data Security & Integrity:** Implement best practices for data security, indexing, and transaction management.
- **Database Monitoring & Troubleshooting:** Identify and resolve performance bottlenecks, deadlocks, and other database issues.

PROJECTS

E-commerce Website (Django, HTMX, Tailwind CSS, Vercel) | Personal | January 2025 -February 2025

- Built a dynamic multi-vendor e-commerce platform using Django for the backend , HTMX, and Tailwind CSS for the frontend. Integrated real-time interactions without a full-page reload. Deployed and hosted the project on Vercel for seamless scalability and performance.

Idea Management API (FastAPI, PostgreSQL, Azure) | Personal | Jan 2024 - December 2024 | OTSI | January 2023 - Present

- Developed a RESTful API using FastAPI to perform CRUD operations on ideas, implementing authentication and authorization. Deployed the project on an Azure VM, configured PostgreSQL, and secured it with SSL and ngrok for tunneling.

SPLINK | POC | Jan 2025 - Jul 2025 | OTSI

- All-in-one sports academy management system for athletes, coaches, and parents.
- Design RESTful APIs using FastAPI.
- Contributed to database modelling, query design, and backend architecture for modular growth.

EDUCATION

Bachelor of Technology in Information Technology | BN College of Engineering and Technology

Lucknow, Uttar Pradesh | 2022

SKILLS

SQL, PL/PGSQL, Python, FastAPI, HTML, CSS, Tailwind CSS, HTMX, ETL, Git , Github, Pandas , Pydantic

CERTIFICATES

Oracle Cloud Infrastructure 2025 Certified Foundations Associate