Aman Kumar

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TECHNICAL PROJECTS

1. Grocery Ordering System API[GitLab]   Mar 2025 – Mar 2025
Tech Stack: FastAPI, MYSQL,SQLAlchemy,Django,PostgresSQl
- Developed a Grocery Ordering System built with **FastAPI** and **SQLAlchemy**. It allows customers to browse and place grocery orders with full support for products, orders, and order items.
- Implemented user **authentication**, backend is designed using clean code principles, modular architecture, and efficient MySQL database handling.

2. React Native TaskManagerApp[Github]+ [TaskManagerLiveProject]   May 2025 - May 2025
Tech Stack: React Native, Firebase, Expo
- A full-stack task manager app with a **Django** backend, **PostgreSQL** database, and **React Native** frontend.
- Implemented **JWT-based authentication** and complete CRUD operations for tasks.
- Used Expo for rapid cross-platform development and Docker for **containerized** deployment.

3. Notes App[Github]   Dec 2024 – Jan 2025
- Developed a **full-stack Notes** application using **React**, **Django**, and **PostgreSQL**, implementing **CRUD** functionality with a **REST API** and **real-time** data updates, all within a fully **containerized** Docker environment to ensure **modularity**, **scalability**, and **seamless** deployment.
- Configured **Nginx** to serve the React frontend and used **Gunicorn** as the **WSGI** server for the Django backend, optimizing performance and reliability.

4. To-Do List [Github]   Nov 2024 – Dec 2024
- Developed a **To-Do List** web application for managing tasks and deadlines, featuring secure user login with **JWT authentication** and a dynamic frontend using **JavaScript** and used **cookies** for session persistence..
- **Dockerized** the application for simplified deployment and hosted it on **AWS** to ensure high availability and reliability.

RELEVANT WORK EXPERIENCE

Synoriq, Jaipur, India (In-Office)   Nov 2024 - Present
Associate Software Engineer |
- Optimized **PostgreSQL** queries for LOS and LMS by removing excess **joins** and unnecessary **CTEs**, improving data retrieval.
- Implemented efficient **indexing** strategies to improve performance and used **Git** for version control to streamline development.
- Worked with the development team to integrate optimized queries into **Java** applications, boosting system functionality and responsiveness.

Osfin.ai, Bengaluru, India (In-Office)   Nov 2023 - Oct 2024
Implementation Engineer
- Led the implementation of a **Reconciliation** product for FamPay and AU Bank, automating UPI, IMPS, and POS reconciliation, cutting processing time by **30%.**
- **Optimized SQL procedures**, reducing execution time by **40%**, and improved data retrieval with bucketing in stored procedures.
- Configured data pipelines and performed **ETL** with **regex** and **Groovy** scripts, automating reconciliation and testing builds for system integrity.Data cleaning using python((Pandas and NumPy) and build dashboard Apis.

SKILLS

- **Programming Languages**: Python, Java, Javascript
- **Frameworks/Libraries:** FastAPI, Django, Django REST Framework, Flask, React, React Native
- **Database Technologies**: MySQL Server, PostgreSQL, Oracle DB
- **Tools & Platforms:** Docker, AWS, Nginx, Gunicorn, Git, Google, Cloud , Expo
- **Python libraries**: NumPy, Pandas, Matplotlib, Plotly, Flask
- **Dev-Ops & Deployment**: Docker, AWS, Nginx, Gunicorn

EDUCATION

Vellore Institute of Technology, Vellore, India   Sep 2022 - Jun 2024
Masters of Computer Applications (MCA)   CGPA 8.94/10
Gossner College , Ranchi , Ranchi University   Aug 2018 - Oct 2021
Bachelors of Science in Computer Application (B.Sc CA)   CGPA 9.04/10

ACADEMIC HONORS/AWARDS

- **Best Project Award. Code for Life Hackathon, VIT Vellore**   May 2023
  Awarded for the Best project award amongst more than 100 registered teams and 400+ students.
- **VITMEE MCA AIR 67**   June 2022
  Secured All India Rank 67 in VITMEE MCA out of 7,000+ candidates from all over India.