Aman Kumar

PortFolio: [Link] | Email: amanraj241800@gmail.com | LinkedIn: [Link] | GitHub: [Link]

PROFESSIONAL SUMMARY

Motivated software engineer with a strong foundation in backend development, specializing in **Python**, **Django**, and **database** technologies. Experienced in optimizing SQL queries, building scalable systems, and automating workflows.Passionate about expanding expertise in backend architecture and cloud deployments to deliver efficient, high-performance solutions.

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**

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.

TECHNICAL PROJECTS

1. 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.
- Used **Nginx** to serve the **React** frontend, with all components containerized in Docker.

2. 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 to simplify deployment, ensure consistency, and enhance scalability across environments.
- Hosted the project on **AWS** to ensure high availability, reliability, and seamless access for users.

3. E-Commerce [Github]   **Nov 2024 – Dec 2024**

- Developed a Full-Stack **E-Commerce** Application using **Django**, **JavaScript**, and **Bootstrap**, implementing features like **user authentication**, dynamic **cart** management (add, update, delete items), used django-**templates Static** and **media** files to render products.
- Integrated **Guest** User Experience and Payment Functionality by using cookies for cart persistence for non-authenticated users, and designed a responsive interface to optimize shopping flow across devices, with plans for future payment gateway integration .

SKILLS

- **Programming Languages**: Python, Java, Javascript
- **Database Technologies**: MySQL Server, PostgreSQL, Oracle DB
- **Web Technologies**: Django, Django Rest Framework
- **Python libraries**: NumPy, Pandas, Matplotlib, Plotly, Flask
- **Dev-Ops**: Docker

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.