

## Aman Kumar

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### RELEVANT WORK EXPERIENCE

SynorIQ, Jaipur, India (In-Office)

Nov 2024 - Present

Associate Software Engineer I

- 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.

### 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

### TECHNICAL PROJECTS

1. Notes-List 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.

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** to store access and refresh tokens, ensuring stateless authentication.
- 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 by using cookies to store cart activity for non-authenticated users, ensuring persistence of their shopping cart across sessions.

4. PortFolio Website [\[Github\]](#)

Dec 2024 – Jan 2025

- Developed a project portfolio website using **HTML** and **CSS**, showcasing my details and projects.
- Deployed on github pages, Visit my portfolio at [\[Link\]](#) to explore my work.

### 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.*