

ROHAN VERMA

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EDUCATION

B.Tech (CSE) : Vellore Institute of Technology, Vellore (2021-2025)

CGPA: 9.67

WORK EXPERIENCE

Moveworks (Engineering Intern)

Jan'25-Current

- Deployed and benchmarked OpenSearch clusters on Kubernetes; investigated performance inconsistencies and identified differing file system types as the root cause.
- Achieved 5% faster indexing compared to the previous EC2-based setup after resolving configuration disparities.
- Optimized SQL queries in the internal deployment database, cutting response times by 50% and improving API performance.
- Extended backend service functionality to enhance metadata querying and updates in the deployment database.
- Developed new UI pages to improve accessibility and visibility of deployment data for internal teams.
- Created a custom Argo Workflow to automate and schedule metadata updates in the deployment database.

NoiLabs - Hiring Platform for Creators (Engineering Intern)

Jul'24-Jan'25

- Built a video analysis pipeline running on EC2, using FFmpeg and Spring Boot to detect blurry frames and flag inappropriate content.
- Data stored in AWS S3, for easy handling of videos and extracted frames.
- Integrated OpenAI moderation and multimodal APIs, intelligently using rate limits and concurrency, reducing response times by 80%.

Citibank (Fullstack Developer Intern)

Jun'24-Jul'24

- Used Cisco Splunk monitoring tool to analyze customer drop-off patterns.
- Created a dashboard to visualize this data, using ReactJS.
- Worked on a trading POC using Spring Boot, Java Persistence ORM and SQLite.

PROJECTS

Clipboard History & Hotkeys Source Code

Jul'23-Sep'23

- A VS Code extension to access the last N items that have been copied system-wide.
- Created this to solve a personal need of quickly accessing clipboard items using dedicated macro key-binds.

Crow DB Source Code

Oct'22-Nov'22

- A CRUD API built using the C++ CROW framework, that allows maintaining multiple databases.
- Implemented using Hash Tables and AVL Tree data structures.

ACHIEVEMENTS

- **1700 rating** on Leetcode in top 12% of worldwide contest rankings
- Solved over **300** problems across GeeksforGeeks, Leetcode
- **VIT Merit scholarship award** for top 10 rank in branch of 2500.

SKILLS

Frameworks & Libraries
DevOps & Cloud Platforms
Databases

Spring Boot, ReactJS, Storybook, CROW
Kubernetes, Argo CD, Argo Workflow, Jenkins, AWS
PostgreSQL, SQLite, Firebase