

SAURABH KUMAR

Software Engineer

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Professional Summary

Final-year B.Tech student at IIT Hyderabad with experience in full-stack development and DevOps from Mercedes-Benz R&D. Proficient in Java, Spring Boot and Vue.js for building scalable platforms and APIs. Skilled in Docker, Kubernetes, CI/CD and Terraform for containerization and cloud deployments on Azure. Seeking a software developer role to apply technical skills in building efficient, scalable solutions.

EDUCATION

Indian Institute Technology Hyderabad

Oct 2021 – May 2025

B.Tech - CGPA - 8.56 (Grade Card)

Hyderabad, Telangana

EXPERIENCE

Mercedes Benz R&D India

Jan 2024 - Jul 2024

Intern - Full Stack Development + DevOps

Bengaluru, Karnataka

- Designed and deployed a centralized Apache Flink platform, reducing resource costs by **30%** and streamlining data processing for **10+ teams**.
- Developed a full-stack web application using Vue.js and Spring Boot, reducing resource provisioning time from **3 days** to **minutes**.
- Automated CI/CD pipelines with Azure DevOps, cutting release time by **50%**.
- Orchestrated the deployment of containerized applications on Azure AKS, enhancing system scalability to handle **2x traffic** during peak loads.
- Integrated PostgreSQL and Cosmos DB, improving query response times by **40%**, and ensured seamless data access for **100+ users**.
- Automated infrastructure provisioning with Terraform, reducing manual setup time by **70%** and ensuring consistent deployments.

TECHNICAL SKILLS

- Programming Languages:** C, C++, SQL, Java.
- Web Development :** HTML, CSS, Vue.Js, Spring Boot, REST Web Services
- Specialized Skills :** Azure, Terraform, CI/CD, Git, Understanding of Microservices, Docker/Kubernetes
- Computer Science Coursework:** Data Structures & Algorithms, OOPs, OS, DBMS, Computer Networking
- Soft Skills :** Collaboration, Problem-Solving, Communication , Critical Thinking , Time Management, Attention to Detail, Teamwork.

SELECTED PROJECTS

JWT Authentication 🔗 | [Java](#), [Spring Boot](#), [Spring Security](#), [JWT](#), [JPA](#), [PostgreSQL/MySQL](#)

2024

- Implemented User registration, login, role-based authorization
- JWT-based authentication with refresh token support
- Secure RESTful APIs using Spring Security

Video Streaming Platform 🔗 | [React](#), [Spring Boot](#), [IDE - VS Code](#)

2024

- Designed a scalable video streaming platform using React (frontend), Spring Boot (backend), and MySQL, reducing video load times by 50% and improving user engagement by 25%. .

File Compressor 🔗 | [Python](#), [Huffman Coding](#), [Jupyter Notebook](#)

2022-23

- Developed a Python-based Huffman Coding application, effectively compressing and decompressing text files to optimize storage space.

AWARDS and ACHIEVEMENTS

- JEE Advanced 2021 :** Secured Sub-1000 GEN-EWS Rank.
- JEE Main 2021 :** Ranked among the top 1 percentile.
- NDA-145 2020 :** Passed the NDA written exam for NDA-145.

LEADERSHIP & RESPONSIBILITIES

- Outbound Head**, International Relation Cell - IIT Hyderabad
- Placement Coordinator**, Office of Career Services - IIT Hyderabad
- Internship Coordinator**, Office of Career Services - IIT Hyderabad

March 2023 - March 2024

Feb 2024 - Present

Feb 2023 - Feb 2024