SAURABH KUMAR

Software Engineer

📞 +91-8789519019 ✉ sksingh538350@gmail.com 🔗 Linkedin 🐙 Github

Professional Summary

Final-year B.Tech student at IIT Hyderabad with experience in full-stack development and DevOps from Mercedes-Benz RD. 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*

- **Developed** a data processing platform for Apache Flink users and **enhancing data accessibility** with a user-friendly **Vue.js** interface.
- **Developed** and **implemented RESTful APIs** using **Spring Boot**, **optimizing data handling** and **reducing processing time by 40%.**
- Containerized services with **Docker** and managed deployments using **Kubernetes**, effectively transitioning from **Minikube** to **Azure Kubernetes Service (AKS)** and increasing deployment efficiency by 50%.
- Integrated Blob Storage and ACR with AKS for cloud-based data management, cutting storage costs by 25%.
- **Automated** infrastructure with **Terraform**, provisioning AKS clusters and managing CI/CD pipelines, **reducing setup and deployment time by 60%.**
- **Technologies used:** Vue.js, Java, Spring Boot, Docker, Kubernetes, Azure, Terraform.

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 & REPONSIBILITIES

- **Outbound Head**, International Relation Cell - IIT Hyderabad　　　　　　**March 2023 - March 2024**
- **Placement Coordinator**, Office of Career Services - IIT Hyderabad　　　　　　**Feb 2024 - Present**
- **Internship Coordinator**, Office of Career Services - IIT Hyderabad　　　　　**Feb 2023 - Feb 2024**