

KUSH SAINI

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EDUCATION

VIT Bhopal University

Bachelor of Engineering

Computer Science and Engineering

Bhopal, Madhya Pradesh

CGPA:8.75

DAV Public School, Kailash Hills

12th Standard CBSE

Delhi, 2022

Percentage: 95%

DAV Public School, Kailash Hills

10th Standard CBSE

Delhi, 2020

Percentage: 90%

UNIVERSITY PROJECTS

SYSTEM MONITORING WEB APPLICATION

- Developed a Spring Boot and Java full-stack application providing real-time system metrics via REST APIs.
- Implemented comprehensive metrics collection (CPU, memory, disk, network) using OSHI.
- Created a secure command execution service with whitelist validation.
- Integrated public IP detection and network interface monitoring capabilities.
- Designed a modular architecture with robust error handling, utilizing Maven for the build.

PARKING MANAGEMENT SYSTEM API

- Developed a RESTful API for parking management using Spring Boot and PostgreSQL.
- Implemented CRUD operations for parking records with UUIDs, leveraging JPA/Hibernate.
- Designed a data model to track vehicle details, parking duration, and billing.
- Integrated Swagger/SpringFox for API documentation and applied the DTO pattern with ModelMapper.
- Included robust exception handling and Spring Transaction Management, built with Maven.

TASKFLOW: WEB BASED TO-DO MANAGER

- Developed a full-stack Todo application using Spring Boot (Java), Thymeleaf, and Bootstrap 5.
- Implemented CRUD operations for task management with real-time status toggling and visual completion effects.
- Utilized MVC architecture with RESTful API endpoints and a responsive single-page interface.
- Demonstrated competencies in Spring MVC, dependency injection, frontend-backend integration, and RESTful API design.

ADDITIONAL

Technical Skills: Java, Spring Boot, JavaScript, React, HTML, CSS, Python

Databases: MySQL, PostgreSQL

Tools: Figma, IntelliJ IDEA, VSCode, Git, MS Excel, Postman, Canva

Relevant Coursework: Data Structures & Algorithms, Database and Management Systems, Operating Systems