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EDUCATION

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, DELHI-NCR CAMPUS

May 2023

Major: Computer Science and Engineering

GPA: 9.65/10.00

Relevant Coursework: Data Structures, Software Design, Internet of Things, and Embedded Systems

TECHNICAL SKILLS

- C++ (Intermediate)
- MongoDB
- JavaScript
- Java (Advanced)
- HTML
- CSS
- Cybersecurity
- DevOps
- React.js

ENGINEERING EXPERIENCE

Cybersecurity Analyst (Virtual Job Simulation)

May 2025

- Tata Group (via Forage) – May 2025
- Worked on 3 IAM case scenarios to design secure access workflows.
- Conducted 3+ risk assessments, improving IAM compliance coverage by 40%
- Analyzed security logs to identify indicators of compromise (IOCs).
- Analyzed 10+ phishing emails to extract 20+ malicious URLs and artifacts

Software Engineer (Virtual Job Simulation)

April 2025

- JPMorgan Chase & Co. (via Forage) – April 2025
- Developed 5 RESTful API endpoints, reducing backend response latency by 20%
- Integrated Kafka & H2 database in backend system setup
- Implemented 3 service layers and 6+ controller endpoints, streamlining backend logic.
- Implemented CRUD operations supporting user data for 1,000+ test records in a microservices setup

ENGINEERING PROJECTS

Hospital Management System

August 2024 - December 2024

- Engineered a desktop application with Java Swing and MySQL to streamline hospital operations, processing 50+ patient records daily and accelerating appointment scheduling efficiency by 30%.
- Utilized Java Swing for building an interactive GUI and MySQL for structured data storage and retrieval.
- Designed a hospital management system featuring CRUD operations and real-time data updates; system's reliability was ensured through input validations, resulting in zero data-related critical errors.
- Centralized admin functions in one interface, boosting staff efficiency and reducing manual workload
- Tech Stack: Java (Swing), MySQL

Personal Portfolio Website

January 2025 - May 2025

- Designed and deployed a personal portfolio, increasing recruiter visits by 25% (based on GitHub Pages traffic).
- Built with React.js for component-based architecture and smooth user experience.
- Ensured cross-device compatibility using responsive CSS and mobile-first design principles.
- Integrated interactive UI elements and clean layout to showcase frontend development capabilities.
- *Live:* varunsingh7389.github.io