SRAJAN SOHANI

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Education

Shri Govindram Seksariya Institute Of Technology and Sciences, Indore   **2021 - 2025**
B.Tech in Computer Science & Engineering   *8.23/10 CGPA*

Work Experience

Hyperflex   **Jan 2025 – Present**
Software Engineering Intern   *Pune*
- Built an automated Elastic Upgradation Tool using **Node.js, React, MongoDB, and Ansible** to streamline on-premise Elasticsearch cluster upgrades.
- Worked extensively with the **Elastic Stack** (cluster management, real-time processing) and assisted in Splunk-to-Elastic migration tool development.

Deutsche Bank   **May 2024 – July 2024**
Technology Development Intern, Risk Division   *Pune*
- Implemented **WebSocket**-based real-time alerts in Remedy service, reducing system alert latency from 10s to <1s.
- Used **Kafka** for broadcasting notifications across pods, ensuring **95%+ message delivery** and high availability.
- Optimized data retrieval via **GraphQL**-based DAL and improved database schema for **50% faster, more secure** workflows.
- Deployed apps on **Fabric**, Deutsche Bank's proprietary cloud, gaining DevOps experience.

Consultadd   **Jan 2023 – July 2023**
Software Engineering Intern   *Remote*
- Developed features and fixed **50+ bugs** in internal CRM/HRIS tools using **React and Redux**.
- Migrated to functional components, reducing maintenance by **10+ hrs/week** and improving performance.
- Implemented **debounced search**, API **caching**, and **infinite scroll**, cutting server load by **25%**.
- Added notification system via **Service Workers + Firebase**, boosting interactivity by **20%**.

Projects

ONLINE-CODING-PLATFORM   **Source Code**
- Developed with a **React frontend** and a RESTful **express** backend, allowing users to run code, solve coding problems and participate in contests.
- used **jwt** for **authentication**, ensuring secure user access and session management throughout the platform.
- Used **RabbitMQ** for efficient communcation between **Compiler** and REST backend, enabling better scalability..
- Used a **polling mechanism** on the frontend to manage code submissions and leaderboard updates also employed **Redis** for the same

BLOG-THE-CHANGE   **Source Code**
- A GitHub Action that utilizes the capabilities of **Gemini's LLM** to produce blog summaries of the changes introduced by a commit in a repository on **Hashnode**(A blogging site)
- Implemented functionality to generate a git diff for each commit and modified file using **Octokit**, and passed the information to Gemini's API with a well-crafted prompt to produce concise summaries.
- Automated blog tagging by analyzing the repository's type and content, ensuring accurate categorization of posts.

Technical Skills

Languages: Python, Java, C++, JavaScript,TypeScript
Backend: Springboot, Node.js, Express.js
Frontend: React, TailwindCSS, HTML, CSS, Bootstrap,Angular
Clouds & Databases: AWS, PostgreSQL, MongoDB
Web Technologies: Docker, Socket.IO, Redis
Developer Tools: Postman, VS Code, GitHub, Xcode

Algorithmic Competitions/Achievements

- Solved **700+** DSA problems from **GFG, Leetcode,Codechef codeforces**, building problem solving skills.
- Rated 1800+ on Leetcode
- HacktoberFest 22 Contributer
- Completed CourseWorks - Computer Networks, DBMS, Computer Architecture, Agile Methodoly, etc
- Selected for Indian National Maths Olympiad.Among 30 students from complete state to do so.