Vaidehi Sanjay Joshi

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EDUCATION

M.S., Computer Science, *San Jose State University*
B. Tech., Computer Engineering, *Cummins College of Engineering, India*

TECHNICAL SKILLS

Languages	Java, Python, JavaScript, C, C++, SQL, HTML/CSS
Technologies	Spring Boot, Spark, Kafka, JUnit, React, Karate, SSIS, Tensorflow, E2E Testing
Tools	Google Cloud Platform, Azure (Cosmos DB, Blob Storage), Git, Linux
Domains	Backend Development, Frontend Development, Full-Stack Development, Machine Learning

WORK EXPERIENCE

Software Development Intern, Neoscale, Remote   Jun 2023 – Aug 2023
- Developed the entire serverless backend for a meeting scheduler application (like Calendly) using tRPC and Next.js
- Contributed to the development of a URL-shortener service utilizing Node.js and TypeScript

Software Developer II, Walmart Global Tech, Bangalore, India   Aug 2020 – Aug 2022
- Integrated a third-party API to dynamically calculate drug prices generating a 30% increase in overall revenue
- Used Spark to mock a SQL database and performed an analysis of database optimization techniques for download microservice of 3 million invoices
- Built and managed over 30+ APIs (Spring Boot) in Walmart Pharmacy Platform using Java; end-to-end development from ideation to production with testing (JUnit)

Software Developer, Optimum Data Analytics, Pune, India   July 2019 – Jul 2020
- Implemented production-level Machine Learning services using BERT that were integrated into the startup's Machine Learning client-side library
- Developed a React app that helped vendors analyze customer reviews by performing NLP tasks
- Used Next.js (React) and Flask (Python), developed an interface to allow users to upload or view the reviews

Software Development Intern, Walmart Global Tech, Bangalore, India   May 2019 – Jul 2019
- Implemented a proof-of-concept tool utilizing R and Excel to optimize data center location allocation, while also driving ad-hoc data visualization and data analysis tasks for multiple projects in the team.
- Increased critical API response time by 65% by normalizing the SQL database and re-writing multiple repositories

PROJECTS

Garage Door Automation, RaspberryPi, IoT   Aug 2023 - Dec 2023
- Developed and implemented a custom hardware and software solution using open-source technologies like ESP32 and Raspberry Pi to automate Chamberlain garage doors with HomeAssistant
- Contributed to the development of a scalable solution by integrating the project into the HomeAssistant ecosystem, enabling compatibility with over 3000+ plugins and enhancing the system's functionality and customization options.

Chore tracker application, Next.js, Suparbase, SQL   Nov 2023 - Feb 2024
- Created an app using Next.js and Supabase, facilitating efficient chore management, and hosted it on Vercel
- Designed a UI ensuring scalability while utilizing Supabase for SQL-based database management.

Cummins Smart Attendance, Android, Java, SQL   Aug 2019 - Aug 2020
- Led a team of 5 developers to build an Android app for maintaining students' attendance at my college using Java and SQL.

AWARDS

- **Grace Hopper Celebration Scholarship**
- **Winner:** Won first prize at the following intercollege coding competitions: CZAR (C programming), Tech-Sudoku (Coding and Sudoku competition), ACM-W CodeIt competition (Python)
- **Seminar Speaker**: Delivered a seminar on 'Cyberbullying detection using Machine Learning' at Cummins College of Engineering, India
- **Coding instructor**: Conducted lectures to teach coding to 60 school kids every weekend for 2+ years as an instructor at TAP (The Apprentice Project, a non-profit NGO teaching school kids), India