Vaidehi Sanjay Joshi

San Jose, CA | 408-690-8842 | vaidehijoshi.com | vaidehisanjay.joshi@sjsu.edu | linkedin.com/in/vaidehi | github.com/vaidehi

EDUCATION

M.S., Computer Science, *San Jose State University* Jul 2022 – May 2024
Relevant Coursework: Design and Analysis of Algorithms, Database Systems, Topics in Machine Learning
GPA: 3.5/4

B. Tech., Computer Engineering, *Cummins College of Engineering, India* Jul 2016 – Jun 2020
GPA: 3.6/4

TECHNICAL SKILLS

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

WORK EXPERIENCE

Software Development Intern, Neoscale, Remote Jun 2023 – Aug 2023

- Built the entire serverless backend for a meeting scheduler application (like calendly) using tRPC and Next.js

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
- Increased critical API response time by 65% by normalizing the database and re-writing multiple repositories
- Built and managed over 30+ APIs (Spring Boot) in Walmart Pharmacy Platform; end to end development from ideation to production with testing (JUnit)

Software Development Intern, Walmart Global Tech, Bangalore, India May 2019 – Jul 2019

- Built a proof-of-concept model for an optimized approach in allocating data center locations; using R and Excel
- Provided ad-hoc data visualization and analysis (association rules / patterns) for multiple projects in the team

PROJECTS

Amazon reviews analyzer, Next.js (React), Flask (Python), HTML/Tailwind CSS (github) Feb 2023 - May 2023

- Developed an NLP-based Amazon reviews analyzer that helps vendors analyze customer reviews by performing text summarization and sentiment analysis (T5 and Bert based models)
- Used Next.js (React) and Flask (Python), developed an interface to allow users to upload or view the reviews

Text Summarization Of News Using Machine Learning, Python (github) Feb 2023 - May 2023

- Implemented different transformer based deep learning architectures for news summarization
- Evaluated and compared the different techniques used with an easy to use Python application

Database Optimization Analysis, SQL & Spark Jan 2021

- Used Spark to mock a SQL database and performed an analysis of database optimization techniques for download microservice of 3 million invoices

BERT Services and Comparative Analysis, sponsored by Optimum Data Analytics Aug 2019 - Aug 2020

- Performed comparative study where BERT outperformed LSTMs and other classical ML techniques with an accuracy of 85.8% (Sentiment Analysis, Text Augmentation/Similarity and Extractive Summarization)

Cummins Smart Attendance, Cummins Attendance Management Application Aug 2019 - Aug 2020

- Developed an Android app for maintaining over 200 students' attendance using Android Studio, Java, and SQL.

AWARDS

- **Grace Hopper Celebration Scholarship (GHC 2023):** world's largest gathering of women technologists
- **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