

Vaidehi Sanjay Joshi

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OBJECTIVE

To develop large-scale software that implements innovative solutions to existing problems

EDUCATION

M.S., Computer Science

Jul 2022 - May 2024

San Jose State University, San Jose, CA

Relevant Coursework: Design and Analysis of Algorithms, Topics in Database Systems, Computer Communication Systems

GPA: 3.5/4

B.Tech., Computer Engineering

Jul 2016 - Jun 2020

Cummins College of Engineering, India

Relevant Coursework: Software Engineering, Java Full Stack Technologies, Software Design and Architecture, Database Management Systems

GPA: 3.6/4

SKILLS

Languages: Java, Python, C, C++, R

Technologies/Frameworks: Spring Boot, SQL, Azure Cosmos DB, Karate, SSIS, Tensorflow, Azure Blob Storage

WORK EXPERIENCE

Software Developer II, Walmart Global Tech, Bangalore, India., Bangalore, India

Aug 2020 - Aug 2022

- Integrated a third-party API to dynamically calculate drug prices generating a 30% increase in overall revenue.
- Developed critical APIs and optimizations in the codebase by reformulating database queries leading to a 65% improvement in API fetch time.

Software Development Intern, Walmart Global Tech, Bangalore, India

May 2019 - Jul 2019

- Modeled and executed an algorithm for Optimized allocation of data center locations using R and Excel (VBA).
- Performed data visualization and analysis tasks to contribute to the team's ongoing machine learning projects.

PROJECT EXPERIENCE

Database optimization analysis, SQL and Spark

Jan 2021

- Used Spark to mock a SQL database and performed 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

- Implemented multiple NLP tasks using BERT: Sentiment Analysis, Text Augmentation, Text Similarity, Extractive Summarization.
- Performed comparative study where BERT outperformed LSTMs and other classical ML techniques with an accuracy of 85.8%.

Text Summarizer, Flask app

Nov 2019

- Implemented a Tensorflow backed deep learning model for text summarization
- Developed a Flask webapp for summarizing texts in different input formats automatically

Huffle, Data communication using Huffman encoding

Apr 2019

- Created a tool for uploading text files and implemented the compression algorithm to encode and decode files securely (using Java).

Cummins Smart Attendance, Cummins attendance management app

Mar 2018

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

CO-CURRICULAR ACTIVITIES

- **Winner:** Won first prize at the following intercollege coding competitions: CZAR (C programming), Tech-Sudoku (Coding and Sudoku competition), ACM-W Codelt 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