

Shreevathsa B K B Tech Computer Science PES University, Bengaluru

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EDUCATION

• PES University, Bengaluru

B Tech in Computer science CGPA: 8.94

Masters Pre University college, Hassan

Physics Chemistry Mathematics Biology Percentage: 96.33

EXPERIENCE

• Intuit 🔗

Aug 2023 - Sep 2024

2019-23

2017-19

Software Engineer 1

- Bengaluru, on site Worked in Quickbooks Online, on a SpringBoot service utilizing GraphQL for flexible API querying, which uses PostgreSQL as the backend database and Kafka consumer for message consumption. Developed the APIs for all the CRUD operations and contributed to the kafka consumer implementation
- Worked on **react** based frontend applications which used **redux** as state management
- Added Automation test cases in frameworks like **Karate** and **Playwright**
- Created **Splunk** dashboards and **Wavefront** alerts for monitoring

• Intuit **O** Jan-Jul 2023

Software Engineer Intern

Bengaluru, on site

- Implemented a cutting-edge Import Budget feature for QuickBooks budgeting using React-Redux, empowering users to seamlessly download a CSV template, input values, and upload data to create budgets directly in Quick-Books. This innovative feature streamlined budgeting processes, enhancing user experience and efficiency.
- As part of modernizing a monolithic architecture into a microservice, fabricated a tool using Java and SpringBoot that helped to compare two records of different databases, and quickly sync data in case of a parity issue. This helped to minimize risk of errors, and improved data consistency

• Muxable • Jun-Jul 2022

InternNew York, remote

Crefted a robust Flexible Forward Error Correction (FlexFEC •) system using Golang, achieving a remarkable 31% recovery of RTP packets and significantly enhancing data transmission reliability and efficiency

PERSONAL PROJECTS

• Expense tracker §

Expense tracker to track daily expenses made using MERN Stack

- Designed and developed a comprehensive expense management system, empowering users to perform seamless **CRUD** (Create, Read, Update, Delete) operations on expenses. This robust application enabled effortless import and export of expenses via CSV files and featured intuitive visual representations of expense data through interactive graphs. Leveraging a cutting-edge tech stack comprising Mongo, Express, React, Node, and Postman

Mimic HDFS 6

Simulation of Hadoop Distributed File System

- Simulated a **HDFS** using **Python**, replicating the functionality of a distributed file system. This simulation supported a range of commands, including put, cat, ls, rm, mkdir, rmdir, and mapreduce, demonstrating expertise in big data management. Additionally, integrated **Heartbeat** and **Zookeeper** mechanisms to ensure real-time monitoring of data and metadata status, and added fault tolerance measures to recreate lost data using replicas, guaranteeing high availability and data integrity.

• Huffman-coding-file-compressor

Compress and decompress text files using the huffman coding algorithm

- Utilized C++ to design and develop a practical lossless data compression tool employing the Huffman coding algorithm, achieving 40% compression ratio.

• Sortviz Ø

A sorting visualizer for visualizing various sorting algorithms

- Created a interactive Sorting Visualizer using **Python** and **Pygame**, dynamically illustrating the efficacy of various sorting algorithms and significantly enhancing understanding and retention of complex concepts

ACHIEVEMENTS

- Karnataka CET State Rank 351
- ACM X alcoding Weekly top 5 of ACM X alcoding | certificate •