

Shreevathsa B K **B** Tech Computer Science PES University, Bengaluru

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> 2019-23 CGPA: 8.942017-19 Percentage: 96.33

EXPERIENCE

• Intuit 🔗

Software Engineer 1

• PES University, Bengaluru

• Masters Pre University college, Hassan

Physics Chemistry Mathematics Biology

B Tech in Computer science

- 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 🔗

• Muxable *G*

Intern

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

Jun-Jul 2022

Jan-Jul 2023

New York, remote

Crafted a robust Flexible Forward Error Correction (FlexFEC \mathcal{O}) 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 tech stack comprising Mongo, Express, React, Node, and Postman

• Mimic HDFS 🔗

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.

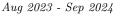
• Sortviz 🔗

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 🔗



Bengaluru, on site