







Shreevathsa B K
B Tech Computer Science
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EDUCATION

- **PES University, Bengaluru** 2019-23
B Tech in Computer science CGPA : 8.94
- **Masters Pre University college, Hassan** 2017-19
Physics Chemistry Mathematics Biology Percentage: 96.33

EXPERIENCE

- **Intuit** Aug 2023 - Sep 2024
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** 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 QuickBooks. This innovative feature streamlined budgeting processes, enhancing user experience and efficiency.
 - As part of **modernizing a monolithic architecture** into a microservice, developed a tool 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
 - Tools/Language: **SpringBoot, Java**
- **Muxable** Jun-Jul 2022
Intern New York, remote
 - Designed and developed 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** 
Simulation of Hadoop Distributed File System
 - Developed a scalable **HDFS simulator** 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, I integrated **Heartbeat** and **Zookeeper** mechanisms to ensure real-time monitoring of data and metadata status, and implemented 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
 - Developed an 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 