

VINAY BOJJA

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Work Experience

University of San Francisco

Dec 2023 – May 2024

CS Tutor

San Francisco, California

- Provide personalized tutoring in computer science topics including algorithms, data structures, programming languages, and software engineering. Support students with assignments, projects, and exam preparation in a collaborative learning environment.

Ipserlab Startup LLC

May 2023 – Aug 2023

Software Development Intern

Mountain View, California

- Led on 10+ API integrations, ensuring data consistency, system stability with error handling, and security through authentication protocols.

Virtoustack Softwares Pvt. Ltd

Jan 2022 – July 2022

Software Engineer

Pune, Maharashtra

- Orchestrated auto-seeding and automated betting functions, reducing planned cheating by 40% and increasing revenue by 30-40% through the successful implementation of betting functionality.
- Developed a notification module for a 20% increase in user engagement and introduced flexible stage functionality, cutting manual workload by 30% for Tournament Organizers.

Larsen and Toubro Infotech

Aug 2020 – Oct 2021

Consultant

Pune, Maharashtra

- Successfully oversaw the execution of 15+ SQL batch flows, ensuring timely code adjustments within specified windows for any identified failures, contributing to a 20% reduction in system downtime.
- Played a pivotal role in deploying pre-production to production, managing 100+ pre-production PLSQL jobs, delivering comprehensive analyses to the team, resulting in a 30% improvement in deployment efficiency.

Studium

Dec 2018 – Jan 2019

NodeJs Developer Intern

Pune, Maharashtra

- Developed and maintained the backend infrastructure for Studium, a university-level application for teachers and students similar to Canvas, ensuring seamless performance and scalability.

Virtoustack Softwares Pvt. Ltd

Aug 2017 – Aug 2020

Software Engineer

Pune, Maharashtra

- Developed an Airlines Web Application Interface enabling users to search, book flights, and receive tickets increasing user satisfaction by 30% through secure login and authentication.
- Engineered a Home Intrusion Detection System with a 97.6% accuracy using the R-CNN algorithm and TensorFlow, providing real-time alerts and enhancing homeowner security.

Projects

My Datalake House

REST Catalog, Apache Iceberg, Minio, Python, Pyspark, FastAPI

- Developed a web application to monitor and optimize Data Lake House environments using Apache Spark, REST Catalog and Apache Iceberg, enhancing system efficiency and data management.
- Implemented analytics dashboards, query optimization, and automated snapshots maintenance features.

Distributed Files System

GoLang

- Engineered a **fault-tolerant distributed file system** (DFS) incorporating parallel storage/retrieval, Google Protocol Buffers for interoperability, and file recovery.
- Achieved load distribution, scalability, and seamless operation in demanding scenarios. Demonstrated expertise in parallelism, fault tolerance, and leveraging cutting-edge technologies for distributed systems.

Gym Rental Platform

Next.js, Express.js, Node.js, TailwindCSS, DaisyUI, Sequelize, PostgreSQL

- Gym Rental Platform is a web application for users to **rent out or rent gym equipment/facilities** online.
- Implemented robust security measures in the application, ensuring the safe handling of transactions related to gym equipment rentals, thereby establishing trust among users.

Dollar Manager

MongoDB, Express.js, React.js, Node.js, Html, CSS, Bootstrap 4

- Dollar Manager is a web-based application designed to **streamline the process of splitting funds among friends or groups** of individuals. It simplifies managing shared expenses, tracking, and distributing funds among multiple parties.

Technical Skills

Java, C/C++, Javascript, SQL, Python, Typescript, Golang, Node.js, REST API, Mongoose.js, Express.js, React.js, MySQL, MongoDB, Postgresql, AWS