

Abhiram Rishi Prattipati

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EDUCATION

San Francisco State University

San Francisco, CA

BS in Computer Science

Graduation Date: December 2022

- **Relevant Coursework:** Software Engineering, Natural Language Technologies, Computer Networks, Database Systems, Data Structures & Algorithms, Probability & Statistics, Operating System Principles

SKILLS and ONLINE COURSEWORK

Oracle Cloud Data Management 2023 Foundations Associate – Oracle

September 2023

Programming Languages: Python, Java, C/C++, JavaScript
Frameworks and Libraries: Django (proficient), Flask (proficient), Next.js, React, Node.js, Tailwind
Databases: SQLite, PostgreSQL
Tools: Linux, Ubuntu, Version Control System, Postman, JSON, XML

WORK EXPERIENCE

iD Tech Camps

Remote

Programming Instructor

October 2020 – August 2022

- Conducted interactive online sessions via Zoom, delivering courses in C++, Java, Python, and HTML to children
- Offered video conference support to students encountering difficulties during sessions, resolving issues and errors promptly and effectively, resulting in a 30% reduction in session disruptions.
- Demonstrated coding techniques and best practices, helping students develop better coding practices and solve errors

San Francisco State University

San Francisco, CA

Instructional Student Assistant

January 2022 – May 2022

- Facilitated instruction and provided guidance to a diverse group of students in an advanced data structures and algorithms course, emphasizing C++ implementation techniques.
- Evaluated student performance and provided constructive feedback, contributing to a 93% course completion rate

LEADERSHIP EXPERIENCE

SF Hacks

San Francisco, CA

Logistics Lead

August 2022 – December 2022

- Served as the logistics lead for San Francisco's largest hackathon, overseeing all aspects of event planning
- Collaborated with the organizing committee to develop and implement strategies for improving future events

La Voz News

Cupertino, CA

Web Editor & Student Reporter

September 2018 – April 2020

- Implemented data-driven strategies to increase online engagement, resulting in a 30% increase in website traffic
- Designed and executed multimedia content, enhancing user experience and having an increase of over 200 followers

PROJECTS

Job Board Website

Django, AWS, MySQL, Docker

- Full-stack web application deployed on AWS where applicants can search and apply for STEM job listings
- Implemented Agile, SDLC, and Scrum principles to streamline project management processes

Food Expiration Tracker

Kotlin, Java, Android, Firebase

- Android mobile application where users can track expiration dates and shelf life of foods in their kitchen
- Users are notified on expired foods and their data is stored in cloud database from Google FireBase

SQLite

SQLite, C, Ubuntu, Linux, Unit Testing, MakeFile

- Implemented SQL query parsing, execution, and storage functionalities and is capable of handling CRUD operations
- Conducted comprehensive unit testing to ensure reliability and correctness of the database engine

Bytecode Interpreter

Java, Virtual Machine, OOPS

- Utilized object-oriented design principles to ensure extensibility and maintainability of the interpreter
- Designed and implemented the virtual machine architecture, including instruction decoding and memory management

Personal Finance Tracker

Django, Python, SQLite, Chart.js

- Designed and implemented backend functionalities such as authentication, data storage, and transaction management
- Integrated frontend components for data visualization and user interaction, enhancing the user experience