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 (proficient), Java (proficient), C/C++ (intermediate), JavaScript (competent)
Frameworks and Libraries:	Django (proficient), Flask (proficient), Next.js, React, Node.js, Tailwind
Databases:	SQLite, PostgreSQL
Tools:	Linux, Ubuntu, Git, Version Control, GitHub, Postman, VS Code

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**
Logistcs 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

Scout   *Django, AWS, MySQL, Docker, Web Development*

- 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 Finances   *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