

Abhiram Rishi Prattipati

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EDUCATION

San Francisco State University

BS in Computer Science – GPA: 3.07

De Anza College

AS in Computer Science, AA in Liberal Arts

San Francisco, CA

Graduation Date: December 2022

Cupertino, CA

Graduation Date: August 2020

SKILLS and ONLINE COURSEWORK

AWS Certified Developer – Associate DVA-C02 – Amazon Web Services

May 2024

Programming Languages: Python, Java, C/C++, JavaScript, TypeScript, HTML, CSS

Frameworks and Libraries: Django, Flask, Next.js, React, Node.js, Express, Tailwind

Databases: PostgreSQL, SQLite, NoSQL

Tools: Linux, Ubuntu, Git, Postman, Vercel, AWS, Jira

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

Nutrition and Grocery Management System

Next.js, Express, PostgreSQL, Vercel, Docker

- Full-stack web application deployed on Vercel where users can find healthy recipes based on the available ingredients
- Followed Agile and Scrum methodologies to ensure iterative development and continuous improvement
- Implemented responsive UI components with Next.js, enabling server-side rendering and static site generation

Food Expiration Tracker

Kotlin, Gradle, Firebase, Cloud Firestore, NoSQL

- 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

Bytecode Interpreter

Java, Virtual Machine, OOPS

- Implemented a stack-based virtual machine architecture to efficiently handle bytecode execution
- 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 back-end functionalities such as authentication, data storage, and transaction management
- Integrated front-end components of Chart.js for data visualization and user interaction, enhancing the user experience
- Utilized Django ORM to create and manage database models for financial transactions, budget categories, and users