Anshi Singh

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EDUCATION

University of California, San Diego **La Jolla, California**
Bachelor of Science, Computer Science September 2023 - June 2025
- Incoming Transfer Student.

University of California, Merced **Merced, California**
Computer Science and Engineering August 2021 - May 2023
- *GPA:* 3.95, Chancellor's Honor List.
- *Relevant Coursework:* Algorithm Design and Analysis, Data Structures, Advanced Programming, Artificial Intelligence, Computer Organization and Assembly Language, Discrete Mathematics, Linear Algebra, Differential Equations, Vector Calculus, Probability & Statistics, Circuit Theory, Statics & Dynamics, Classical Physics.

EXPERIENCE/ LEADERSHIP

Open Avenues, Orb Labs **Internship**
Student Consultant, Software Development June 2023 – August 2023
- Designed and implemented a robust backend system for tracking and evaluating transactions on EVM-based blockchains, to provide crucial information on the best time for bridging USDC tokens from Ethereum using Stargate.
- Utilized TypeScript and web3 libraries to interface with Ethereum blockchain.
- Employed PostgreSQL, TypeORM, and migrations for efficient data storage and version-controlled schema management.
- Leveraged external APIs, including Alchemy, for querying data from various blockchain networks.
- Successfully implemented listeners to monitor blockchain events, extracting and parsing data to use for calculating and normalizing transaction costs and related metrics.

University of California, Merced **Part-Time**
Undergraduate CSE Tutor August 2022 – May 2023
- Provided one-on-one tutoring to undergraduate students in Python and C++ concepts.
- Assisted students in debugging code and identifying logical errors, enhancing their ability to troubleshoot and resolve programming issues.
- Facilitated learning by teaching complex algorithms and problem-solving techniques.

PROJECTS

Twitter, Parstagram, and Flix App
- Utilized Swift along with various public APIs (including Twitter API, TMDB API, and a Parse Server on Back4app) to develop three distinct apps resembling Twitter, Instagram, and a movie browsing platform.
- Implemented functionalities such as retweeting, posting tweets/pictures, multi-displays, and user login functionality.

Would You Rather – Social Media App
- Used Swift to develop an original app where users can create and interact with would you rather questions.
- Leveraged a Parse Server on Back4App to efficiently store and retrieve user-generated questions and interactions.
- Utilized Figma to create front-end designs, including wireframes and the app logo, enhancing overall user experience.
- Employed Git for project management to delegate tasks, create plans and frameworks – ensuring efficient collaboration.

Car Search App
- Collaborated in a hackathon to develop a program that matches user requirements with the best available car for sale.
- Utilized the vehicle listings API by AutoDev to effectively design and enhance the process.

CERTIFICATIONS

iOS Mobile Development Course
CodePath Certification Fall 2022
- Completed a comprehensive project-based course on mobile app development, using Swift, focusing on the implementation of API clients.

SKILLS

Programming Languages: C/C++, Python, MIPS Assembly, Swift, Typescript.
Databases & ORMs: SQL (Postgres), TypeORM.
Developer Tools & Platforms: AWS, Ethereum, Git, Docker, VS Code.
Soft Skills: Communication, Teamwork, Problem Solving.