

Anshi Singh

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EDUCATION

University of California, San Diego

Bachelor of Science, Computer Science

La Jolla, California

September 2023 – June 2025

- **Relevant Coursework:** Web Client Languages, Components and Design Techniques for Digital Systems, Introduction to Quantum Computing, 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.
- **Activities:** Women In Computing @ UCSD Tech Dev Intern.

EXPERIENCE/ LEADERSHIP

Software Engineering Intern | CoStar Group

June 2024 - August 2024

- Incoming full-stack engineering intern for Homes.com.

Student Consultant | Open Avenues, Orb Labs

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.

Undergraduate CSE Tutor | University of California, Merced

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.

Personal Portfolio | anshisinghportfolio.netlify.app

- Developed a personal portfolio website with responsive design using CSS and semantic HTML.
- Implemented JavaScript functionality with a fallback for non-JavaScript environments to ensure a seamless user experience, including form submission and dark/light mode..
- Incorporated custom fonts and icons for a unique visual presentation.

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, HTML, CSS, JavaScript, Swift, Typescript, MIPS Assembly.

Databases & ORMs: SQL (Postgres), TypeORM.

Developer Tools & Platforms: AWS, Ethereum, Git, Docker, VS Code.

Soft Skills: Communication, Teamwork, Problem Solving.