

# SHIVOHAM ANGAL

Los Angeles, California

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## EDUCATION

### University of Southern California

Aug 2023 - May 2025

Master of Science in Computer Science (GPA: 3.42/4)

Los Angeles, CA

- **Coursework:** Database Management Systems, Web Technologies, Analysis of Algorithms, Software Architectures

### University of Mumbai

Aug 2019 - May 2023

Bachelor of Engineering in Computer Engineering (CGPA: 9.16/10)

Mumbai, India

- **Coursework:** Distributed Computing, Operating Systems, Computer Networks

## TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, Rust, Solidity, PHP, SQL
- **Frameworks & Cloud:** React, Next.js, Node, Express, Flask, CakePHP, Google Cloud
- **Tools & Software:** Git, Docker, Unity (2D/3D)

## EXPERIENCE

### Google Summer of Code, Cuneiform Digital Library Initiative [Blog] [Gitlab]

Jun 2022 - Sept 2022

Full Stack Developer Intern | CakePHP, SQL

Remote, United Kingdom

- Engineered a feature to export entity data in various formats including TXT, CSV, JSON, JSON-RDF, and TTL with a user-friendly interface.
- Designed a bulk update functionality streamlining the process of updating artifact properties based on common ones.
- Enhanced user experience for **100,000+** monthly users by filtering out retired artifacts from search results having a total of **200,000+** entries, ensuring only relevant data was displayed by allowing users to mark artifacts as retired.
- Gained familiarity with open source contributions, lint tests and ensured code compatibility with standard formats for improved code quality.

### Renaissance Cell, Vivekanand Education Society's Institute of Technology

Jun 2021 - Jul 2021

Web Developer Intern | React, Firebase

Mumbai, India

- Created functionalities and components allowing users to login, learn, and take quizzes seamlessly.
- Improved learning by curation of thoughtful Vedic mathematics videos on the website.

## PROJECTS

### Trail Tales [GitHub] [Demo] | React Native, Solidity

2024

- Created an app to gamify daily walks by transforming routes into art, which can be minted as NFTs.
- Integrated Anyone Protocol for privacy, DAIN for NFT art generation, and Solana Phantom Wallet for blockchain interactions.

### Anti Swan [GitHub] [Demo] | Next.js, Python, Solidity

2024

- Developed Anti Swan, an ERC-4626 vault that strategically bets on rare "black swan" events (probability < 5%) to maximize user yields.
- Engineered a backend keeper system that executes trades through a proxy wallet, using market data from Polymarket's CLOB client and the Kelly Criterion to drive yield-optimized decisions.
- Built an intuitive frontend with seamless wallet integration, providing users with a smooth onboarding experience, real-time portfolio insights, and transaction history.

### Stock Trading Website & App [Website] [App] | React, MUI, REST API, MongoDB, Google Cloud, Java

2024

- Built a responsive, single-page application, utilizing a Node.js backend to incorporate Finnhub and Polygon APIs to fetch and display real-time stock data.
- Implemented functionalities such as autocomplete search using MUI for frontend, dynamic stock buying/selling, real-time news updates with social media sharing on Twitter and Facebook, and data visualizations using Highcharts.
- Constructed features such as a watchlist to track favorite stocks and portfolio page to track stock investments.
- Developed an Android app in Java having all the above features, leveraging same hosted backend as the website.

## ACHIEVEMENTS & LEADERSHIP EXPERIENCES

- Won SolanaU and Anyone Protocol sponsor prizes at HackSC's SoCal Tech Week 2024.
- Coordinated, devised, and planned events at IEEE-VESIT in 2021.
- Conducted a concise talk on Google Summer of Code (GSoc), and open-source contributions to a group of 50 juniors during Hacktoberfest by CodeCell VESIT 2022.