

SHIVOHAM ANGAL

Los Angeles, CA

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EDUCATION

University of Southern California

Los Angeles, CA

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

Aug 2023 – May 2025

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

University of Mumbai

Mumbai, India

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

Aug 2019 – May 2023

Coursework: Distributed Computing, Operating Systems, Computer Networks

TECHNICAL SKILLS

- **Programming Languages:** Python, PHP, JavaScript, Java, HTML, CSS, SQL, C#
- **Frameworks & Cloud:** React, Node, Express, Flask, CakePHP, Google Cloud, Firebase
- **Tools & Software:** Git, Docker, Unity (2D/3D), Audacity, Canva, Figma

WORK EXPERIENCE

Google Summer of Code, Cuneiform Digital Library Initiative (CDLI) [Blog] [Gitlab]

Remote, United Kingdom

Full Stack Developer Intern | CakePHP, SQL

Jun 2022 - Sept 2022

- Engineered a feature to export entity data in various formats including TXT, CSV, JSON, JSON-RDF, and TTL accompanied with a user-friendly interface to select desired export format.
- 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 excluding retired artifacts from search results having a total of **200,000+** entries, ensuring only relevant data was displayed along with a feature to allow users to mark artifacts as retired.
- Gained familiarity with lint tests and ensured code compatibility with standard formats for improved code quality.

Renaissance Cell, Vivekanand Education Society's Institute of Technology

Mumbai, India

Web Developer Intern | React, Firebase

Jun 2021 - Jul 2021

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

ACADEMIC PROJECTS

Stock Trading Website & App [Website] [App] | React, Bootstrap, MUI, REST API, MongoDB, Google Cloud, Java 2024

- Built a responsive, single-page application, utilizing a JavaScript 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.

3D Platformer [Demo] | C#, Unity 3D, Audacity

2023

- Developed a 3D platformer game using Unity having **6** levels, **10+** sound effects, textures, and a setup file.
- Implemented progress saving using PlayerPrefs, a high-score system, level unlocking, main menu, and a levels menu.

EXTRA-CURRICULAR AND COMMUNITY INVOLVEMENT

- 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.
- Active volunteer for Friends and Neighbor's Day at University of Southern California.