SROTH SINHA

📞 213-453-5356 ✉ Sroth.Sinha01@student.csulb.edu in www.linkedin.com/in/scoi/ ⚙ github.com/SrothCS

Education

California State University Long Beach   **Expected Graduation Date: May 2026**
Bachelor of Science in Computer Science   *Long Beach, California*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Computer Architecture

Experience

Software Engineer Intern   **May 2024 – August 2024**
Archi Studies   *Los Angeles, California*

- Engineered and maintained a robust codebase utilizing Firebase and Flutter, resulting in a seamless integration of backend services and a highly responsive cross-platform mobile application.
- Developed and implemented a survey feature on mobile platforms to collect user feedback efficiently , resulting in a 40% increase in user engagement and actionable insights .
- Utilized AGILE and SCRUM methodologies and Jira to enhance team communication and project management , leading to a 25% improvement in project delivery times and team productivity .

Research Assistant   **January 2024 – May 2024**
CSULB college of Engineering   *Long Beach, California*

- Spearheaded a pioneering project titled 'Assessing the Perceived Safety of Cyclists with Virtual Reality' , designing and developing VR simulations with Python, C#, and Unity , resulting in enhanced road safety insights and a 30% reduction in identified safety risks for cyclists .
- Unity's lighting features to dynamically change environmental light settings, resulting in a 20 Percent improvement in realism and user immersion in virtual reality simulations
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

Grok AI | *FastAPI, Python, Heroku, Flutter*   **April 2024**

- Developed a sophisticated Flask application deployed on Heroku, utilizing the GrookAI API to generate responses to user queries, resulting in a functional AI-powered chatbot assistant that enhances user interaction .
- Enabled an **AI**-powered bot on the Twitter platform to provide users with suggestions and help on what to write , resulting in increased user engagement and improved content quality .

Book Store System | *Python*   **November 2023**

- Created a robust system employing various data structures, including queues, lists, hash tables, binary search trees, heaps, and graphs, to efficiently manage inventory and shopping cart functionalities.
- Implemented an efficient search feature for best-selling books using binary search trees or binary heaps based on user preference. Thoroughly tested each module, enhancing understanding of data structures and problem-solving skills.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, Dart
Developer Tools: VS Code, Git, GitHub, Heroku, Unity
Technologies/Frameworks: React, PyTorch, Three.js, Next.js

Leadership / Extracurricular

Google Developer Student Club   **Fall 2023 – Present**
Technical Lead
- Organized and led technical workshops for 50 students on computer science opportunities and essential industry skillsets in the field of Computer Science.
- Worked with 5 employees in various industries to establish a tech talk series (attended by 70 students) to gain industry perspective and learn about opportunities in those industries.

Society of Hispanic Professional Engineers   **Fall 2022 – Present**
Web Developer
- Implemented a fully functional website using Next.js, enhancing performance and user experience through server-side rendering and static site generation.