

SUBASH KATEL

La Jolla, CA | (949) 357-4987 | subashkatel.sk@gmail.com | LinkedIn: [Subash Katel](#)

EDUCATION

University of California San Diego

Bachelor of Science in Computer Science

San Diego, CA

Sep 2021 - Jun 2023

Saddleback College

Association of Science in Computer Science |
Mathematics GPA: 3.8

Mission Viejo, CA

Aug 2018 - May 2021

Relevant Coursework: **CSE 100:** Data Structure, **CSE 30:** Computer Organization and System Programming, **CS4A:** Developing application & applets (Java), **CS 1D:** Data Structure (C++), **MATH 24:** Differential, **MATH 26:** Applied Linear Algebra, **MATH 4A:** Multivariable Calculus, **PHYS 4A:** Classical Mechanics, **PHYS 4B:** Classical Electromagnetism, **PHYS 4C:** Modern Physics

SKILLS

Languages: C++, Java, Python, HTML/CSS, JavaScript, React.js

Frameworks: QT, Git, WPF, React

Developer Tools: GDB Debugger, Valgrind, Doxygen, OpenCV, Java Fx, GitHub, Agile/Scrum, SQL(SQLite), VS Code, Visual Studio, IntelliJ, Eclipse, CLion, Linux

EXPERIENCE

SAN DIEGO SUPERCOMPUTER CENTER

Software Engineering Intern

San Diego, CA

June 2021 - Sep 2021

- Led Frontend Development, leveraging React.js, and JavaScript to create a robust and responsive iOS application.
- Assisted in DevOps configuration, used Firebase to orchestrate our backend.
- Created UML diagrams and documented where features were implemented, to make the codebase more maintainable.
- Designed and implemented a dashboard using React.js and JavaScript to visualize the tasks being stored in the firebase.

PROJECTS

COLLEGE TOUR: TRIP PLANNER

Data Structure Project

Mission Viejo, CA

Jan 2021 - May 2021

- Developed the College Trip Planner program with C#, SQLite and WPF to allow users to plan college trips giving them the shortest distance between schools for easy travel.
- Followed testing procedures with a hand-produced Test Plan in order to do Unit & Regression Testing.
- Created agile stories that detailed project features to the client and their desired functionality.
- Led Scrum Master role where I facilitated daily stand-up meetings and removed any impediments towards my teammates.
- Integrated Dijkstra's algorithm in order to find the shortest path between two Colleges.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Society of Asian Scientists and Engineers (SASE)

Chapter - President

- Co-Founded and Led an organization that promotes and supports diversity to underrepresented minorities on campus through professional development workshops in a broad spectrum of Computer Science & engineering disciplines.
- Organized and participated through numerous Hackathon events such as Hack Tech, Hack UCI, Hack MIT.

Saddleback Learning Resource Center

CS Volunteer Tutor

- Tutored for the Classes of CS1C (Advanced Topics in C++) and CS4A (Introduction to Java in Computer Science).
- Supported students through personalized tutoring on programming concepts and the temporal organization of their coursework related to the Computer Science program at Saddleback College.