

Dhaval Jani

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<https://www.linkedin.com/in/dhaval-jani/> | <https://github.com/dhavaljani>

SKILLS:

- ❖ **Languages:** Java (3 year fluency), Python (2 year fluency), C++ (2 year fluency), and C (1 year fluency)
- ❖ **Environments/Softwares:** Visual Studio, Microsoft Excel/Powerpoint, LaTeX, Git/Version Control, Linux, Bash scripting, AndroidStudio, Agile SWE, ArcGIS Pro
- ❖ Working knowledge with JavaScript, jQuery, Python, and CSS
- ❖ Fluent in English and Gujarati, proficient in French and Hindi

EDUCATION:

- University of California, San Diego Fall 2021 - PRESENT
- ❖ **Major:** Computer Science with a minor in Environmental Systems
- University of California, Merced Fall 2019 - Spring 2021
- ❖ **Major:** Computer Science and Engineering **GPA:** 3.94
 - ❖ **Relevant Coursework:** Theory of Computation, Algorithm Design and Analysis, Differential Equations and Linear Algebra, Data Structures, Vector Calculus, Statistics, Numerical Methods, Intro to Machine Learning, Calculus 2, Discrete Mathematics, Electricity and Magnetism, Calculus-Based Physics, Spatial Analysis

PERSONAL PROJECTS:

“OneStopSoccer”

- ❖ A published chrome extension that displays soccer scores and standings of leagues from around the world. Made using football-data.org API and Wikipedia

“Minesweeper”

- ❖ A JavaFX GUI version of the classic game Minesweeper, fully customizable with different difficulties, an options menu, and a help HTML page

“Ecotracker”

- ❖ A website (<https://dhavaljani.github.io/ecotracker>) made with JavaScript, HTML 5, and CSS that calculates your carbon footprint based on inputs

LEADERSHIP/EXPERIENCE:

Instructor at Coding4Youth June 2022 - Present

- ❖ Instructed middle school aged children computer science concepts in virtual classes and primarily taught Python, Scratch, Lua, and front-end development

Working on “SimBrain” February 2020 - May 2021

- ❖ Implemented unit tests in Java and helped configure settings for a neural network simulation software for Professor Jeff Yoshimi. Also helped design UI layouts

Secretary of SASE (Society of Asian Scientists and Engineers) August 2019 - May 2021

- ❖ Helped organize/present events, coordinated tasks with other, tabled to increase membership, attended conferences, and created opportunities for professional development for other students

Secretary of Vanguard (Student Body Engineering Finance Organization) February 2020 - May 2021

- ❖ Handled general and board meetings, created agendas, and supported numerous engineering clubs on campus with funding and exposure. Also organized large events with the School of Engineering

Teacher Assistant for French 4 Honors Class August 2017 - June 2018

- ❖ Organized/filed papers, graded assignments/tests/quizzes, and tutored students with French during class

Volunteer at Cupertino Library and West Valley Community Services Summer 2018 and Summer 2019

- ❖ Shelves books and helped locals at library, sorted/boxed/distributed food to underprivileged parts of the community, along with helping with paperwork, and handling customers at the front desk of food pantry