

Charvi Shukla

+1 (858)319-5868 | cshukla@ucsd.edu | [GitHub](#)

EDUCATION

University of California, San Diego

La Jolla, CA

Bachelor of Science in Mathematics-Computer Science

Sept. 2021 – June 2025

- **Coursework:** Data Structures, Computer Organization and Systems Programming, Discrete Mathematics, Enumerative Combinatorics, Abstract Algebra 1
- **GPA:** 3.5/4
- **Languages:** English, Hindi

TEACHING EXPERIENCE

UC San Diego, Supplemental Instruction

La Jolla, CA

Tutoring

March 2022 – Present

- As Supplemental Instructor for **Linear Algebra**, held 50 min. supplemental instructions sessions three times a week, and held midterm/final review sessions.
- Assisted in facilitating class-wide discussion sections, with over 40 students per section (worked 5 sections per week) and re-taught content from the lecture.
- Collaborated with teaching staff to provide over 275 enrolled students extra support for Linear Algebra

Diabetes Prediction Research

La Jolla, CA

Programming Assistant

March 2022 – Present

- Worked with a team of 5 people and Prof. Kyle Shannon to analyze PIMA Diabetes Dataset. Used Python libraries such as NumPy, sci-kit learn and Pandas to build a linear regression to estimate a person's likelihood of being diagnosed with diabetes. Find the project GitHub here: [GitHub-link](#) and [Website](#)

PROJECTS

ACM Hackschool | *Node, React, MongoDB, JavaScript*

Sept. 2022 - Dec. 2022

- * Learned web development skills such as React, Node and MongoDB from peers.
- * Worked in groups to build a web app called "Finance Buddy" which helps record all spendings, and saves the data to a Mongo Db Database
- * Find the project here: [Hack-school-link](#)

UCSD Enrollment Helper | *JavaScript, Node.js, Firebase*

June 2022 – September 2022

- * An enrollment helper (Incomplete) React web application that helps track wait-lists, and plan schedules for courses offered at UCSD, and download the calendar for personal use.
- * Parsed an entire HTML response from UCSD's Schedule of Classes website, and loaded the data in a Firestore, Firebase database. Wrote a cron-job to update the database every 6 hours, to keep updating the database.
- * Find the project here: [Enrollment-helper-link](#)

ACM Hack Projects, Food-Insta | *MERN stack, Google APIs*

January 2023 – Present

- * Working with a group of 6 people, and 1 mentor to implement a social app on the MERN Stack
- * Part of the back-end team, implementing API routes, developing schemas for different objects, and adding functionality.
- * Collaborating on weekly meetings with the team to finish the project before Spring 2023 beginnings.
- * Find the project here: [Food-IG-link](#)

ACTIVITIES AND LEADERSHIP

Orientation Leader

La Jolla, CA

Revelle College

March 2022 – September 2022

- * Worked with a team of 25 people to hold orientation for Revelle College at UC San Diego
- * Held 6 hour-long in-person orientation sessions, and 3 hour long virtual sessions. Interacted with over 100 incoming students made them aware of UCSD policies and extra-curricular opportunities.
- * Handled logistics, such as organizing breakfast and lunch, check-ins and tours for the orientation.