Charvi Shukla

858-319-5868 | cshukla@ucsd.edu | github.com/charvishukla

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
- **GPA:** 3.8/5

EXPERIENCE

UC San Diego, Supplemental Instruction   La Jolla, CA
Tutor   *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 and re-taught content from the lecture.

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.

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 Dob Database
  * Find the project here

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 the schedule of classes website. Parsed an entire HTML response sent as a response from UCSD's server 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.
  * link

ACTIVITIES AND LEADERSHIP

Orientation Leader   *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.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS
Frameworks: React, Node.js
Developer Tools: Git, VS Code, Vi
Libraries: pandas, NumPy, Matplotlib