

Prajwal Sharma

❖ [LinkedIn](#) ❖ Prajwal.Sharma01@student.csulb.com ❖ (562)-338-4267 ❖ [Personal Website](#) ❖ [GitHub](#)

Education

Bachelor of Science, Computer Science. GPA: 3.67

Expected Graduation: May 2025

California State University, Long Beach – Long Beach, CA

Courses: Object-Oriented Programming, Data Structures & Algorithms, Databases, Software Engineering

Experience

Better Grades Effortlessly 24/7 | Founder

August 2021 – Present

- Launched a peer-to-peer private tutoring platform hosted on Vercel to personalize asynchronous learning, reaching over **\$100,000** in total revenue.
- Enhanced tutoring experiences with a real-time dashboard that provided aggregated statistics, reviews, and suggested improvements for tutors, resulting in over **300** tutors and **5,000** monthly users on the platform.

Projects

Budget Pal | *JavaScript, Python, HTML, CSS | Flask, Firebase*

- Developed a receipt tracking platform that extracted and categorized information from user-uploaded receipts with **90%** accuracy by preprocessing images with OpenCV to improve Google Tesseract's OCR engine.
- Implemented the Google Maps API to pinpoint transaction locations and compare prices across retailers online through e-commerce APIs, resulting in a **95%** average cost saving for users.
- Protected user data security by integrating Firebase's SSO, enabling secure user login and access to a dashboard that visualizes financial data from the previously uploaded receipts.

Class Finder | *JavaScript, Python, HTML | React, TailwindCSS, Flask, BeautifulSoup, Vercel*

- Improved the CSULB class selection platform by incorporating modern design elements and reusable components, enhancing user experience for over **5000** students with positive feedback.
- Optimized system processing for class selection by developing an API that aggregated over **1000** different classes, including class details, sections, and professor ratings.

EmergenSync | *JavaScript, HTML, CSS | React, Node, Firebase, AWS Lambda*

- Collaborated with a team of **4** to create an emergency room management tool for paramedics that enhanced ambulance routing and hospital room assignment processes.
- Improved patient information processing speed by **50%** by implementing a live data transmission system via Firebase, ensuring hospital room statuses are updated in under **2** seconds.
- Enabled paramedics to identify optimal hospitals from **8** different metrics including ETA, distance, and room availability by creating an AWS Lambda-hosted API integrating Google Maps geocoding with patient data.

Job4Job | *JavaScript, Python, HTML, CSS | React, Flask, TailwindCSS, Supabase*

- Utilized CRUD operations to develop a service exchange platform for users to post and apply for service jobs within **30 seconds** of a posting.
- Implemented a job match percentage based on user location and job skills by utilizing a weighted model and the Google Maps API, resulting in a **25%** satisfaction rating with service workers.

Technical Skills

- Languages: JavaScript, Python, HTML, CSS, Java, C++
- Frameworks: React, Node.js, Flask, TailwindCSS, PyQt
- Libraries: MUI, BeautifulSoup
- Developer Tools: Firebase, MongoDB, PostgreSQL, Supabase, AWS