

Manav Shah

manavshah960@gmail.com ❖ www.linkedin.com/in/manav960 ❖ (650) 391-3596 ❖ Palo Alto, CA ❖

EDUCATION

University Of Colorado Boulder <i>B.S. Computer Science</i> GPA: 3.96 <i>Computer Science GPA: 4.00</i>	<i>Relevant Courses: Data Structures, Computer Systems, Discrete Structures, Database Systems, Linear Algebra, Cybersecurity</i>	August 2023 – May 2026 Boulder, CO
Henry M. Gunn High School <i>High School Diploma</i>		August 2019 – June 2023 Palo Alto, CA

WORK EXPERIENCE

Robotics For All <i>Lead Instructor</i>		August 2019 – May 2023 Palo Alto, CA
<ul style="list-style-type: none">○ Taught 3rd graders problem-solving, programming, building, and teamwork skills through robotics○ Assess and grade student assignments, providing feedback to track progress and address learning gaps		
El Camino Hospital <i>Patient Safety Volunteer</i>		September 2019 – May 2023 Mountain View, CA
Shoreline Lake Boathouse <i>Kayak Instructor</i>		August 2022 - August 2023 Mountain View, CA

PROJECTS

Student Enrollment Database	September 2024
<ul style="list-style-type: none">○ Developed a Student Enrollment Database to manage student records, course registrations, and grading, utilizing SQL for efficient data handling and query execution○ Implemented relational schema with tables for Students, Courses, Instructors, and Enrollment, ensuring data integrity and normalization to 3NF	
San Carlos Flight Center Syllabus Modernization	June 2024
<ul style="list-style-type: none">○ Modernized and migrated SCFC's Private Pilot Syllabus to a digital platform, enhancing student progress tracking and lesson planning○ Evaluated and implemented solutions, including both industry-standard platforms and custom development, to improve learning outcomes and streamline administrative processes○ Enhanced syllabus management and improved overall efficiency through digital transformation	
Restaurant Review System	April 2024
<ul style="list-style-type: none">○ Systematically stored and managed restaurant reviews, with methods to access and update information○ Designed and implemented a hash table with chaining (using linked lists) for handling collisions and a priority queue with a heap for managing and sorting reviews○ Developed an intuitive interface for users to input and view detailed restaurant reviews, including names, feedback, customer details, and review times	
Candy Land Game	December 2023
<ul style="list-style-type: none">○ Developed a virtual board game in C++ featuring a game board, a deck of cards with probabilistic mechanics, and support for an unlimited number of players○ Created a dynamic gameplay experience with unique character abilities, a shop system for purchasing upgrades with in-game gold, and random calamities that could occur after each move	

SKILLS

- **Skills:** Research, Numerical Analysis, Team Collaboration, Problem Solving, Leadership
- **Programming Languages:** Python, Java, C, C++, Javascript/HTML/CSS
- **Tools:** Google Slides, Sheets, & Docs (Microsoft Word, Excel, & Powerpoint), Git, SQL, MySQL
- **Extracurriculars:** Private Pilot License, Advanced PADI Scuba Certified, CU Freeskiing Team, Eagle Scout