ROHAN MALIGE

E Mail: rmmalige@ucdavis.edu (Primary) • rohan.malige@gmail.com

Education

University of California, Davis   **Expected Graduation: 2025**

Computer Science and Engineering Major

Dean's Honors List (Fall 2021)

Delhi Private High School, United Arab Emirates   **Graduation Date: 2021**

Scored 91.6% in Grade 12 Board Exam

Scored 92% in Grade 10 Board Exam. Scored 100% in IT subject and awarded High Achiever Certificate.

Projects

First Lego League   **April 2018 - March 2020**
- Worked with a team to assemble a robot for the national robotics competition.
- Used EV3 coding to program the robot to accomplish project objectives such as balancing the robot over a see-saw, picking up things and placing them in the circle, and controlling levers. Used color sensors to give commands to start and stop the robot and motor sensors to control the direction of movement of the robot.
- Awarded "Regional Champions" in Robotics competition and "Runner Up" for Robo Game.

Payroll Management System   **March 2021**
- Designed a database to handle the payroll for a medium size organization using MySQL. Used a MySQL connector module for linking the database to Python. The input from users is stored in a table using INSERT. The table was assigned SQL constraints such as primary key, unique, not null, etc.
- Created a menu for the user interface and input by using Python. Used the datetime module from Python library to ensure the user enters the correct date. The program automatically calculates the number of working days and final salary.

Hangman Game   **March 2020**

- Designed a hangman game using the Python 'tkinter' module in which users get 3 chances to guess the name of the movie. Used the dictionary function to store the details of the movies and a tuple to store the hangman drawings.
- Designed a 'hint' button to provide appropriate hints for the users. Imported the 'message box' function from the tkinter module to display the rules of the game and other messages.

Stanford Summer Program   June - August 2019

Computer Science
- Took a college level computer science course in Python.
- Developed a set of commands to communicate with a virtual robot called 'Karel' and completed a project to make Karel to draw a checkerboard.
- Built a 'brick breaker' game using 'tkinter' module in Python. The user needs to break all the bricks before the bricks come close to the launcher.

Electrical Engineering
- Completed an Introduction to Electrical Engineering course.
- Built a speaker system using breadboard, resistors and capacitors. Also used a function generator to measure input and output voltages.

Software Skills

Python, C, Unix, Linux, MySQL

Extracurriculars
- Selected as Volunteer for the Dubai Expo 2020.
- Volunteered to help with pharmacy and supply management at a Primary Health Center in India.
- President of 'Word No Limit' - Book Club, Delhi Private School.