Ehsan Nawaz

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EDUCATION

University of California, Davis   Davis, CA
Bachelor of Science, Computer Science   **Expected: June 2025**
Tech management minor
- **Relevant Coursework**: Fundamentals of Computer Science - Object-Oriented Programming - Computer Organization and Machine-Dependent Programming - Data Structures and Algorithms - Discrete Math - Linear Algebra - Algorithm Design and Analysis - Computer Architecture - Business Writing - Operating Systems

SKILLS

Python - HTML/CSS - C++ - Google Suites - Work Ethic - Critical Thinking - Written Communication - Oral Communication - Leadership - Motivated - Time Management - Data Evaluation/Analysis - Teamwork

PROJECT EXPERIENCE

Brain Tumor Classification:
- Developed a machine learning model to classify brain MRI images into 'healthy' and 'tumor-affected' categories, using a dataset from Kaggle
- achieved an exceptional accuracy of 99% in distinguishing between the two classes, after conducting numerous validation tests.
- Utilized Python and TensorFlow to preprocess data, augment images, and train the model, performing rigorous validation with part of the dataset

Automated Wordle Solver:
- Transformed a Wordle Game from a human vs. computer to a computer vs. computer format.
- Developed an algorithm enabling the computer to play and win the game autonomously.

Little Red Riding Hood Story Simulation:
- Developed a program, with a peer, to simulate the story of Little Red Riding Hood.
- Utilized object-oriented programming principles to design the world and incorporated creative mechanisms for object mobility to facilitate the movement of characters between different locations of the story.
- Implemented JSON techniques for efficient data representation, enhancing the scalability and versatility of the simulation.

WORK EXPERIENCE

Customer Service and Repair Assistant, Hi-Tech Automotive Works   Santa Clara, CA
August 2020 - Present
- Used diagnostic software tools to quickly and accurately identify vehicle issues, improving repair turnaround times and customer satisfaction.
- Ensured exceptional customer service by promptly addressing inquiries and concerns, and maintaining high customer satisfaction throughout the repair process.

Covid-19 Test Technician, Sanocal Health   Santa Clara, CA
December 2021 - August 2023
- Utilized database software for accurate record-keeping and reporting of test results.
- Communicated clearly and compassionately with individuals undergoing testing
- Provided technical assistance and training to new employees.

Mentor, TAWASAW Summer Camp   Santa Clara, CA
June 2021 - July 2021
- Collaborated effectively with fellow mentors to ensure a safe and inclusive experience for all the students.
- Coordinated with other mentors to plan and execute event schedules and engaging activity plans