Pradosh Thirunavukkarasu

Education

UNIVERSITY OF CALIFORNIA, IRVINE   Irvine, CA
Bachelors, Computer Science.   June 2027

DOUGHERTY VALLEY HIGH SCHOOL   San Ramon, CA
GPA: 3.97/4.00   June 2023
AP Scholar With Honors Award

Projects

Weather Data Gatherer
Python Application
Developed a comprehensive Python application to retrieve and analyze weather data for a specified location. This tool fetches weather details for the upcoming 72 hours, including max and min temperature, humidity, precipitation, geographical coordinates and calculates a "feels-like" temperature based off of the data. Data is sourced from the National Weather Service API and Nominatim.org API to ensure accurate and up-to-date information and was processed using json. This project highlights my skills in API integration, data processing, and Python programming.

Columns Game
Python with Pygame
Designed and developed an engaging Tetris-inspired game using Python and the Pygame library. The game features a dynamic graphical interface where players must match falling colored blocks to maximize their survival time. This project demonstrates proficiency in game development, graphical interface design, and real-time user interaction using Python.

Search Engine Interface
Django & Python with HTML/CSS
Developed a unique search engine interface using Django and Python, integrating Google's search engine capabilities. Designed and implemented the front-end using HTML and CSS to create a seamless and user-friendly experience. This project showcases expertise in web development, including front-end design and back-end integration.

Skills & Interests

Technical: Python, C++, Java, HTML, CSS
Language: English, Tamil, Spanish