Contact

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Education

Full Stack Web Developer
Career Accelerated Program
Prepleaf By Masai
February 2023-present

B.Sc, P.C.M
Swami Vivekanand Subharti
University
March 2020 - October 2023

12th
C. R. B. V. M. Sr. Sec. School
March 2018 - May 2019

Technical Skills

Python HTML CSS

JavaScript

Soft Skills

Remote work and collaboration

Time Management

Attention to Detail

Problem Solving

Karan Tanwar

Full Stack Web Developer

Professional Summary

Adaptable Algorithm Developer proficient in algorithm design and Python programming. Skilled in analyzing and implementing new algorithms for computational problems. Demonstrates strong problem-solving capabilities and attention to algorithmic efficiency. Collaborative team player with the ability to adapt to changing project requirements.

Projects

Maze Solver   Live Demo Link   Github Repo Link

Python   Implemented Breadth First Search algorithm.

- Developed a terminal-based Maze Solver application in Python, implementing a custom random maze generator and visualizer.
- Leveraged Breadth First Search (BFS) algorithm to efficiently find paths from the start to the end of the maze.
- Took full ownership of generating mazes, implementing pathfinding logic, and visualizing the maze and solutions in the terminal.
- Ensured high performance and accuracy of the algorithm to reliably solve complex mazes.
- Applied advanced Python programming techniques to create an intuitive and interactive maze-solving experience.

Terminal Typing Master   Live Demo Link   Github Repo Link

Python   Import OS Library   File Handling

- Developed and implemented terminal-based typing test application to measure typing speed and metrics.
- Updated and displayed leaderboard by storing and retrieving data from a JSON file.
- Loaded words from a JSON file into Python dictionary for game logic execution.
- Captured and processed user input directly from the terminal to execute main game functions.
- Utilized Python programming and OS library for efficient file handling and system commands.