



## Contact

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## Education

**Career Accelerator Program**  
Prepleaf by Masai  
Feb 2023 - present

**B.Sc Maths**  
S.V.S. University, Meerut  
July 2020 - December 2023

## Technical Skills

- Python
- Data Structures and Algorithm
- CSS
- HTML
- JavaScript

## Soft Skills

- Problem Solving
- Attention to Detail
- Time Management
- Remote work and collaboration

## Achievements

- 4 stars on HackerRank in problem solving.
- Solved 150+ problems on LeetCode.
- 3 stars on HackerRank in Python.
- Zoom Marathon Challenge  
Masai School  
26-day video submission for English fluency  
Certification Link

## Certifications

- Python
- Guvi
- Certification Link

# Karan Tanwar

Algorithm Developer

## Professional Summary

Adaptable Algorithm Developer Intern 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 application that generates a random maze and finds a path from the start to the end
- Generated a random maze and visualized it in the terminal
- Took responsibility for generating a random maze, implementing the pathfinding algorithm, and visualizing the maze and path
- Tech of this project is Python.

**Terminal Typing Master** [Live Demo Link](#) [Github Repo Link](#)

- Python
- Import the Time library.
- Import the OS library.
- File Handling
- Developed a terminal-based typing test application to measure typing speed and metrics like words per minute (WPM)
- Implemented features such as updating and displaying leaderboard stored in a JSON file
- Loaded words from a JSON file into a Python dictionary
- Captured user input from the terminal and implemented the main game logic
- Tech of this project is Python.

**Social media content download** [Live Demo Link](#) [Github Repo Link](#)

- Python
- Import Instaloader library.
- Import PyTube library.
- This Python-based project enables users to effortlessly download social media content from Instagram and YouTube using two prominent libraries: Instaloader and Pytube.
- Developed an individual project in Python aimed at downloading social media content.
- Implemented Pytube to seamlessly download video and audio content from YouTube, showcasing versatility in media retrieval.
- Tech of this project is Python.

**Using API to fetch the weather of the city** [Live Demo Link](#) [Github Repo Link](#)

- Python
- Using API
- Created a project in Python that uses an API to get the weather details of a city.
- Connected to the OpenWeatherMap API to fetch real-time weather information.
- Ensured the project utilizes the OpenWeatherMap API for up-to-date and accurate weather information.
- Tech of this project is Python.