

Manvendra Rajpoot

Proven Problem-Solver and Quick Learner Seeking Python Internship

Jhansi, Uttar Pradesh 284128

welzyalzy@gmail.com

+91 94522 77560

Seeking a Python internship to apply my programming skills and gain hands-on experience in the field. With several personal projects under my belt, I am confident in my ability to learn quickly and contribute to a team. I am eager to contribute to real-world projects and take the next step in my career as a Python developer.

Personal Details

Date of Birth: 2002-07-14

Eligible to work in: India

Highest Career Level: Fresher

Industry: Software Development

Total years of experience: 2

Work Experience

Student

Bundelkhand University - Jhansi, Uttar Pradesh

October 2021 to Present

As a proactive and ambitious individual, I am seeking an opportunity to contribute my skills and knowledge as a Python intern. With a strong foundation in computer science principles and a passion for problem solving, I am confident in my ability to learn and adapt to new technologies quickly.

Throughout my academic career, I have gained a strong understanding of algorithms and data structures, as well as a familiarity with various programming languages including Python. I have completed several projects on my own, including a web scraper and a machine learning model, and am always eager to take on new challenges and expand my skillset.

I am a team player with excellent communication and time management skills, and am eager to contribute to a dynamic and collaborative environment. I am excited to apply my skills and grow as a developer through a Python internship opportunity.

Education

Bachelors in Computer Science

Bundelkhand University - Jhansi, Uttar Pradesh

October 2021 to Present

Skills / IT Skills

- CSS (2 years)
- HTML5 (2 years)
- Microsoft Office (3 years)
- JavaScript (1 year)
- Python (1 year)

Languages

- English - Fluent
- Hindi - Native

Online Profile

<http://alzywelzy.me>

<https://github.com/AlzyWelzy>

Projects / Papers Presented

Tic-Tac-Toe AI

https://github.com/AlzyWelzy/12PythonProjects/blob/main/tic_tac_toe/game.py

December 2022

The Tic Tac Toe project is a simple game of Tic Tac Toe that can be played by two players or between two computer players. The game is played on a 3x3 grid where the players take turns placing their respective symbols (X or O) on the grid. The first player to get three of their symbols in a row (horizontally, vertically, or diagonally) wins the game. If all of the spaces on the grid are filled and there is no winner, the game is a tie. The project includes classes for human players and computer players, as well as a Tic Tac Toe game class that manages the game board and gameplay. The project also includes options to print the board and gameplay to the console, as well as a feature to run multiple games between computer players to track the results.

Sudoku Solver

<https://github.com/AlzyWelzy/12PythonProjects/blob/main/sudoku/main.py>

December 2022

This is a Python implementation of the popular puzzle game Sudoku. It uses a backtracking algorithm to solve Sudoku puzzles of varying difficulty, starting from a partially filled board. The function `solve_sudoku` takes in a puzzle represented as a 2D list and returns whether a solution exists, mutating the puzzle to the solution if it does. The function `is_valid` checks whether a given guess at a given position is valid according to the rules of Sudoku. The function `find_next_empty` returns the coordinates of the next empty position in the puzzle, or None, None if the puzzle is already filled. This implementation can be used to solve Sudoku puzzles and potentially integrate it into a larger application or game.

Minesweeper

<https://github.com/AlzyWelzy/12PythonProjects/blob/main/minesweeper/main.py>

December 2022

This project is a program that uses backtracking to solve a Sudoku puzzle. It includes functions to find the next empty space on the puzzle, check if a guess at a given location is valid, and recursively solve the puzzle by making guesses and backtracking when necessary. The program takes a 2D list as input and modifies it to be the solution if one exists. It returns a boolean value indicating whether a solution was found.

PyPhotoshop

<https://github.com/AlzyWelzy/12PythonProjects/edit/main/pyphotoshop/image.py>

December 2022

This project is an image manipulation tool that allows users to apply various transformations to an image. These transformations include brightening, adjusting contrast, blurring, and applying a custom kernel. The tool is implemented in Python and leverages the numpy library for faster processing. It is designed to be easy to use and allows users to quickly and efficiently make changes to their images.

Markov Chain Composer

<https://github.com/AlzyWelzy/12PythonProjects/blob/main/graph-composer/graph.py>

December 2022

The Markov Chain Composer is a program that uses a graph data structure to generate new text based on a provided input text. The program reads in a text file, processes the words in the file by removing punctuation and converting them to lowercase, and then stores the words in a graph data structure. The graph stores the words as vertices and adds directed edges between them based on their occurrence in the original text. The program then generates new text by starting with a randomly chosen word from the input text and using the probabilities stored in the graph to choose the next word in the generated text. The length of the generated text can be specified, and the program will continue choosing and appending new words until the desired length is reached. This process is known as a Markov chain, where the probabilities of transitioning from one state (word) to another are determined by the frequencies of those transitions in the original text.

Additional Information

Enthusiastic Python developer intern with a strong foundation in computer science and object-oriented programming. Seeking a challenging internship opportunity to apply my skills and learn from industry professionals. Proficient in developing standalone applications and integrating code into existing software systems. Possess strong problem-solving skills and a desire to continuously learn and adapt to new technologies.