Tic Tac Toe
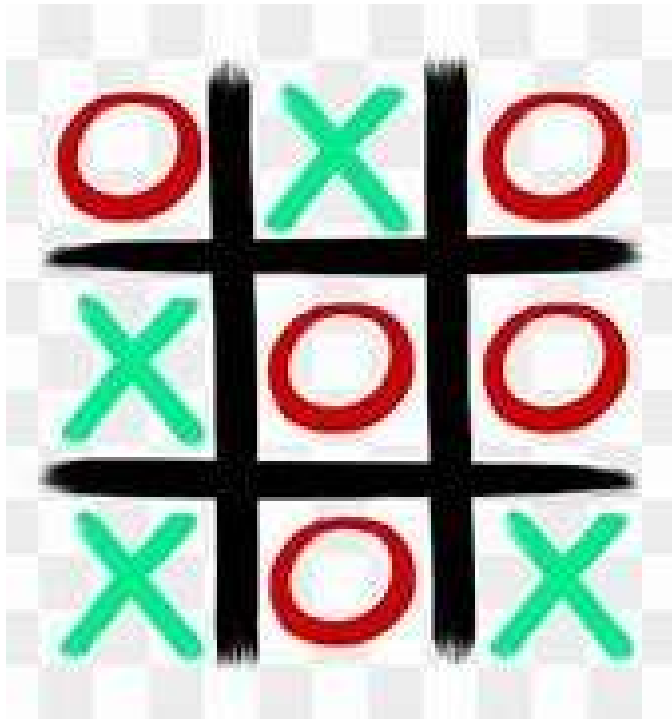
Python AI Game

- # 🎮 Tic Tac Toe

- This project is a simple and fun implementation of the classic **Tic Tac Toe** game using **Python** and **Tkinter** for the graphical user interface. The game is designed for a single player to compete against the computer, which uses the **Minimax algorithm with Alpha-Beta Pruning** to always make the optimal move. The board consists of a 3x3 grid where the player uses the symbol **"X"** and the computer uses **"O"**. The interface is styled with a **black background**, with **X appearing in purple** and **O in yellow**, providing a visually appealing and modern look. At the bottom of the window, there is a **"Restart" button** that allows the player to reset the game at any time and start over from a clean board.

- To run the game, make sure you have **Python 3** installed on your system. Simply clone or download the project files, and run the Python script using a command like `python tictactoe.py` from your terminal or code editor. The game opens in a window where you can click on the cells to make your move, and the AI will respond instantly. This game is a great way to learn about game theory, algorithms like Minimax, and how to build interactive graphical applications using Python.