## Project report:

## **GUI-Based Sudoku solver**

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LINK: https://github.com/sumadura/Sudoku-Solver.git

## 1. Statement:

This code helps visualize the backtracking algorithm and solves any sudoku puzzle using Python and Pygame. The repository contains 2 python codes:

- Sudoku\_GUI.py: This code is a visualization tool as well as a working sudoku game in
  which the code tells us if the user input is valid or not, it will also add the number if it is
  valid on that location.
- **solver.py**: This code is just a sudoku solver without 'backtracking algorithm visualization' to solve the sudoku puzzle faster.

NOTE - This code only works for solvable sudoku puzzles.

2. Relevant screenshots:







