WiDS 2023 Report

Project: Sudoku Solver from image input
GitHub Repository: https://github.com/akshaankhan2004/WiDS-Sudoku-Solver/tree/main
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Resources: https://carnation-captain-26b.notion.site/Winter-in-Data-Science-2023-ed090b08765544fc88e98eeb3503a2c8

Main objectives:
1. Create a digit classification Deep learning model
2. Extract sudoku from the image
3. Predict digits in the image sudoku and form board as list of lists
4. Use backtracking recursion algorithm to solve the sudoku

Learning outcomes:
1. Learnt to use Python libraries such as Tensorflow, Numpy, OpenCV, Matplotlib etc. for deep learning and computer vision.
2. Built a sudoku solver from scratch using algorithms

Code in GitHub repository