Machine Learning

Project Proposal

TITLE

Solving a Sudoku puzzle from an image using Machine Learning

DESCRIPTION

Given an image of a Sudoku puzzle, the task is to solve it by appling:

1. Computer Vision - to locate the Sudoku grid in the image,

2. Digit Recognition – to recognise the digits present in the grid, and map them to their corresponding positions in a 2D array, and

3. A Sudoku solving algorithm – that uses either backtracking or constraint propagation and search on the array to generate a solution to the given puzzle.

SUBMITTED BY

Syed Faheel Ahmad

(Project inspiration – Ahsan Kamal)

I also plan on making an Android app on this project during the summer vacations.