# Handwritten Equation Solving using CNN

An AI project that leverages Convolutional Neural Networks (CNNs) to recognize and solve handwritten mathematical equations.

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## About the Project

The Handwritten Equation Solving project is an application that utilizes deep learning techniques, specifically Convolutional Neural Networks (CNNs), to recognize and solve handwritten mathematical equations. It can handle addition, subtraction, multiplication, and digits (0-9) recognition.

Key features:

- Handwritten equation recognition.

- Mathematical operation detection (addition, subtraction, multiplication).

- Arithmetic expression evaluation.

### Built With

- Python

- TensorFlow

- Keras

- OpenCV

- Numpy

- PIL (Python Imaging Library)

## Getting Started

To get started with the Handwritten Equation Solving project, follow these instructions.

### Prerequisites

Before running the project, make sure you have the following prerequisites installed:

- Python (3.x recommended)

- TensorFlow

- Keras

- OpenCV

- Numpy

- PIL (Python Imaging Library)