

# Verzeo DS JAN21-FEB21 Internship

## MAJOR PROJECT

### Group Members:

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- Shreya Chavan

### Problem Statement:

Design a project from MNIST dataset to identify digit classification using SVM algorithm.

### Algorithm Used:

- SVM Algorithm-
  - ❖ Accuracy: 0.92

### Steps:

- Importing necessary libraries.
- Import MNIST dataset using pandas library.
- Exploratory analysis.
- Visualizing data- pixels and labels.
- Data pre-processing.
- Train and Test data split.
- Implementing the SVM linear algorithm.
- Finding Accuracy.

**Code Attached in ipynb form in same zip folder.**