Data Understanding and Processing

- Loading the dataset using pandas
- Inspecting the data (shape, describe, info, isnull, duplicated, etc)
- Handling missing values.

Exploratory Data Analysis (EDA)

- Generate Descriptive statistics (mean, median, mode)
- Visualize feature distributions and target variables.
- Analyze relationship between target variables.

Hypothesis Testing

- Used Two-Sampled T-test for hypothesis testing to check the significance of the features.

Feature Engineering & Selection

- Select the Features using correlation.

Model Building & Evaluation

- Applied Logistic Regression.
- Used Classification Report to evaluate the model performance