# **Fraud Detection for Credit Card Transactions:**

**What problem are we trying to solve:** Develop a fraud detection model for a credit card company that will help identify potentially fraudulent transactions.

**Dataset source:** [Credit Card Fraud Detection | Kaggle](https://www.kaggle.com/datasets/mlg-ulb/creditcardfraud?resource=download)

**Different steps:**

1. Obtain a dataset of credit card transactions, including both legitimate and fraudulent ones.
2. Clean and preprocess the data by handling outliers and class imbalance.
3. Develop a fraud detection model using Random Forest, etc. to identify potentially fraudulent transactions.
4. Evaluate the model's performance using precision, recall, and F1-score.

**Questions to be asked:**

1. What would the targets and features be?
2. What strategies would you employ to address class imbalance?
3. What model would you use?
4. How will you evaluate performance?
5. What do you conclude from

**Project Team members and Contribution:**

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6. **Vineetha Ramachandra:** Developed end-to-end code, prepared Project proposal, updated README file, prepared project presentation deck.