# Project Name: Credit Card Fraud Detection System

Team members :

Saurav Borah(RA1811027010010)

Pranjal Datta (RA1811027010028)

Shashank Verma (RA1811027010050)

Kartikeya Shrivastava(RA1811027010055)

Irfhana Zakir Hussain(RA1811027010100)

| Need | Approach | Benefit | Competition | |
|---|---|---|---|---|
| **Who needs it and why?** | **What approach will be used?** | **What is the benefit?** | **What is the next best alternative if this project was not done?** | |
| Financial Enterprises who wants to prevent fraudulent / unauthorized transactions. | An outlier detection approach is put forward to resolve this issue using supervised and unsupervised machine learning algorithms. | With this level of control, fraudsters don't have the chance to make multiple transactions on a stolen or counterfeit **card** before the cardholder is aware of the **fraudulent** activity. This alone can save a significant amount of money that would traditionally be lost to **fraud**. | Classifying if there is any fraud during the transactions and getting output as 1 (not fraud ) and 0 (fraud). | |

## Why is this a good space?

## Online project folders, documents:

**How will others in the industry react?**

All financial institutions will probably produce their own custom algorithms, thus improving global security in general.

- https://github.com/pranjaldatta/creditcard-fraud-assignment

## How will you win?

● Answer:

Through rapid product development and marketing.

## What is Working/Known:

● Answer:

A solid plan to develop the product in fragments to eventually integrate into a product.

The Architecture and pipelines for integration

## What is Not Working/Known:

● Answer:

The specifics in algorithms for Web Dev and ML Models

UI/UX

## Reflection 1:

● Answer:

Cold Start Problem

## Reflection 2:

● Answer:

- ● Continuous Integration and Continuous Deployment
- ● Modularity

## Advisor/Manager:

● Answer:

# Project Checklist:

To do list / assigned name:

1) Front End :

   a)UI/UX Development : Irfana

   b)API integration : Shashank

1) Designing: Saurav

2) Back End:

   1)Authentication: Shashank

   2)API development :Saurav

   3)Database Management: Karthikeya

To do list / assigned name:

4) ML:

   a) Data gathering : Irfana

   b) Data pre-processing : Irfana

   c) Modelling : Pranjal

   d) Evaluation: Pranjal

5) Deployment : Pranjal