MAJOR PROJECTS AND SEMINAR

- **Med.ai** *(Machine-Learning)*
  (Feb'19 - April'19)
  - Objective :Developing an intelligent software to assist a doctor to predict a serious disease.
  - A website that helps predict a serious disease based on previous data. Here, the models are trained based on well known datasets using various Machine Learning models and algorithms. There are various prediction tools available on Med.ai that fall under 4 serious disease categories-
    - Oncology
    - Pulmonology
    - Hepatology
    - Ophthalmology
  - By incorporating machine learning techniques into healthcare, the prediction of disease becomes much more reliable. That was the basic goal behind the project. The target users are the doctors as the product might help diagnose a patient better as the predicted results are reliable with approximately 97-99% accuracy.
  - Models used- SVC, CNN
  - All the code is written in python.

- **NumberPlate Recognition System***(Image-Processing)*
  (Guide: Prof. Sejal Thakkar , Sept'18 - Dec'18)
  - Objective: Developing a system that would assist the Traffic-Police Department to issue E-Memos to the drivers who break the traffic rules.
  - A software that fetches the Vehicle-Number from the image of an Number-Plate. The image is supplied through the data captured by an CCTV camera. Further, the details associated with the number are fetched from the database and are used to generate an E-Memo.
  - The target user is the Traffic-Police Department.
  - Technology Used: Matlab, OpenCV
  - **Documentation:** *Link*

- **Handwriting Recognition***(Machine-Learning)*
  (Mar'18 - May'18)
  - Objective: Developing a software that recognizes numbers from a given input image.
  - An image is given as an input to a trained model. Then the model predicts a number based on the previous trining data sets.
  - A basic project in Machine Learning.

- **Netbanking Portal***(Java)*
  (Jan'18 - Feb'18)
  - Objective: Developing a Net-Banking system.
  - Basic net banking system developed using JAVA which offers basic banking operations.
  - Technology Used: Java, Html, CSS, Javascript