# Sameep Kumar Panigrahi

Machine Learning Engineer

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3 years of total experience in IT industry in which I have 1.6 year in the field of datascience . Looking for an oportunity in the field of Datascience which demands constant development of new skills and maximum utilization of the existing skills for mutual growth and benefits.

## Key Skills

- Pthon
- SQL
- Statistics
- Data Visualization
- Feature Engineering
- Feature Selection
- Machine Learning
- Deep Learning
- Computer Vision
- Scikit-Learn
- Tensorflow
- Pytorch
- Java
- Spring
- Springboot

## Professional Experience

Back end developer

Amiti Software Technologies| December 2019 - 2022

- Experience in working with Python, Machine Learning and Deep Learning .
- Building algorithms based on Statistical Modelling, Machine Learning, Deep Learning to deliver valuable insights.
- Involved in Data Preprocessing Techniques for making the data useful for creating Machine Learning and Deep Learning Models.
- Research and implement best practices to improve the existing machine learning models.
- Translate product requirements into analytical requirement specification, design and develop required functionality.
- Involved in Creating various Machine Learning, Deep Learning and Computer Vision Solutions.
- Worked within an agile team and helped prioritize and scope feature requests to ensure that the biggest impact features were worked on first.

### PROJECTS

**Predict Vechicle Price Based On Inspection Data**

*Requirement was to calculate the vehicle price based on the inspection report .*

- Developed regression model to Predict the price of a vehicle based on the inspection report provided by the inspection vendor .
- Performed data validation, data insertion in database, all kinds of EDA, feature selection and feature extraction.
- The model relies on KMeans clustering for clustering and for prediction its using XGboost . Deployed in the Azure platform .
- Created retraining approach for the model.
- Created Flask application to access its service such as training, single data prediction, Bulk Prediction .

**Automatic Number Plate Detection**

Requirement was to detect the Number plate of the vehicle that are coming for grounding.

- Requirement was to Automate the number plate detection when a vehicle arrived at grounding location of ADESA.
- Used YOLOv5 and GoogleOCR to automate the above task.
- Applied the data augmentation on training data .Trained YOLOv5 model to detect number plate and identify number with the help of Google OCR

**Automatic Face Detection**

Requirement was to detect the face of the grounding and non grounding dealer of ADESA

- With the help of MTCNN and ANN developed a model to detect the face of the Dealer.
- Used MTCNN for generating face embedding.
- Used Artificial Neural Network to train and detect faces of dealer.

## Education

Schooling

Bijayanada High School Padmapur at Padmapur| 2012 - 2013

Intermediate

Vedbyash Residntal College at Berhampur| 2013 - 2015

Graduation in Electrical Engineering

Gandhi institue of engineering and technology at Gunpur| 2015 - 2019