Mayuri Saha (Immediate Joiner)

Artificial Intelligence Developer

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PROFILE

Working in the field of machine learning and deep learning in application like computer vision and natural language processing.

EDUCATION

NIT, Jamshedpur — *MCA*,2017 - 2020
CGPA- 8.65

Miranda House, Delhi University — *BSc. Mathematic Honours*, 2014 – 2017
Percentage-80.15

St. Gregorios School, Delhi — Class 12
Percentage- 92

WORK EXPERIENCE

Bobble.AI, Gurgaon(January, 2020 - April,2021 includes 6 month internship)

Gender Prediction:

- Performed EDA on data to summarize characteristics of dataset, conduct data cleaning and feature engineering.
- Applied upsampling using SMOTE and weighted class to the loss function to take care of data imbalance.
- Tested multiple classification models such as Random forest, Adaboost,Gradient boost and performed hyper-parameter tuning to optimize the model.
- Used Stratified K-fold cross validation for validation of data.

. Cartoonification of Human Face

- Developed and deployed a pipeline that cartoonifies the human face.
- The architecture involves k-means clustering, algorithm that determines brightness of image as perceived by human eye.,feature extraction using facial landmark detection, gaussian blurring and image enhancement like gamma correction.

Projects

Category Classification of News document:

- Data cleaning on the textual data involving Tokenization, removing stopwords, Lemmatization.
- Used Word2Vec pretrained model to covert tokens to feature vectors.
- Developed a model to classify document into categories.

Melanoma Classification

- Performed dataset analysis to summarize characteristics of images for feature engineering.
- Used data augmentation such as rotation, horizontal flip to regularize model.
- Developed a model using Transfer learning and achieved an AUC score of 0.94.

Loan Sanction Amount Prediction

- Performed EDA on data to summarize characteristics of dataset data cleaning and feature engineering.
- Used KNN imputation and logical imputation to complete the dataset.
- Tested multiple regression models such as Linear Regression, Random forest to find out the best mode and used K-fold cross validation for validation.

SKILLS

Machine Learning

NLP

Pandas

Deep Learning

NLTK

Spacy

Tensorflow 2

Pytorch

Image Processing

OpenCV

Numpy

Scikit-learn

SQL

LANGUAGES

Python , C++

INTEREST

Reading , Writing, Chess