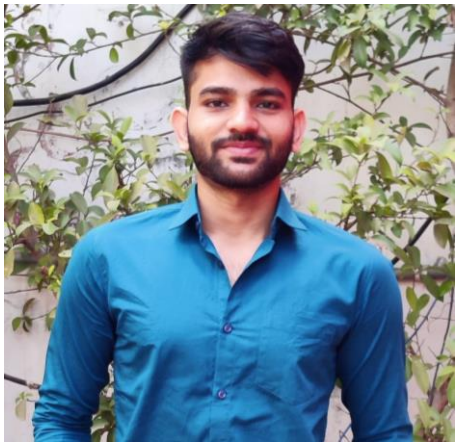

RUTVIK KUMAR

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SKILLS

Python	Machine learning
Deep learning	Computer Vision
Artificial Intelligence	NLP
MLOPS	DSA

LIBRARIES

DATABASE

OTHER

EDUCATION

B.TECH DUAL DEGREE

IIT BHUBANESWAR
AUG 2019-Present
CGPA- 8.01

EXPERIENCE

HACKATHON

TREDENCE — MAY 2023

- Secured 2nd position conducted by tredence at Pan India level.
- Solved News Classification problem by **Advanced NLP** technique.
- Performed EDA using **WordCloud** and **HeatMap**.
- Used **Bi-directional LSTM RNN** and **Distilbert-base** model and then evaluate both with **confusion matrix** and **accuracy score**.

DATA SCIENCE INTERN

GOJEK, BANGALORE — MAY 2022 – AUG 2022

- Working with the GOFOOD ordering and reliability team on Tensoba project on prediction of food preparation time.
- Based on given real time and historical features predicting the food preparation time for delayed allocation.
- Applying the **NLP** method like **Word2vec** to convert dish name to vectors and creating new features with **TF-IDF**, **PCA**, **T-SNE** and **RSS** with their corresponding angle.
- Algorithm like **XGBoost** regression and classification are used to predict the FPT.

DATA SCIENCE/ANALYST INTERN

HENRY HARVIN ANALYTICS — JAN 2022 - FEB 2022

- Classifying flower image into 5 different classes.
- Using transfer learning pre-trained model like **mobilenet_v2**, **AlexNet**, **VGG16** and **VGG19** for modelling.
- Deployment of model using **STREAMLIT**.

PROJECTS

BIGBERT WEB APP

- Created question answering web application where we just upload the image or can give topic name and then ask question related to it.
- Used genism model like **Word2Vec**, **Fastext** and **GoogleNews-vector-negative300** for word embedding and pre-processing of text for ML model like **Gradient Boosting** and **SVR**.
- Also used the BERT model like **distilbert-base-cased-distilled-squad** and **deepset/roberta-base-squad2** and compared with ML model.
- Deployed the app using the **streamlit.io** and made it public.

AUDIO CLASSIFICATION

- Identifying and tagging audio signals into different classes.
- Using **Librosa** and **Wavfile** library to perform EDA and data preprocessing.
- Applying **ANN** with suitable optimizer, **Keras** classifier and loss function to increase efficiency of model.