CHAITANYA KVS

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EDUCATION

B. Tech in Artificial Intelligence Engineering August 2019 - 2023
Vidya Jyothi Institute Of Technology, Hyderabad
CGPA: 8.01/10

SKILLS

Languages	Python, C++, C, Mysql
Machine Learning	Python with Numpy, Pandas and Scikit - Learn
Deep Learning	Neural networks using Tensorflow and Keras,Pre-trained models
Data Visualisation	Matplotlib, Seaborn
Tools	Git, Microsoft Word, Power Point

EXPERIENCE

Kefistylo - Technical Content Developer Intern Apr 2022-Oct 2022

- Research in Machine Learning, Deep Learning, Writing research papers, dissertations on Machine Learning, Computer vision, Deep Learning.
- Implemented various machine learning models and algorithms like XGBoost, CatBoost, DecisionTree and wrote articles on them.

PERSONAL PROJECTS

Cyclone Intensity Estimation Using Pre-trained Models (Image Regression) Sept 2022 - December 2022

- Contributed to the field of cyclone forecasting and intensity estimation by leveraging deep learning models and satellite imagery.
- Trained and Evaluated the performance of SOTA deep learning models (ResNet50, InceptionV3, ResnetInceptionV2) on INSAT 3D satellite images collected from MOSDAC server, to calculate the intensity of cyclones.
- Every pre-trained model is trained for 50 epochs and their respective best model is saved using callbacks from keras library and later used for evaluating on validation and test data.
- The traditional method of cyclone intensity estimation, such as the Dvorak Technique, is time-consuming and subjective, while the proposed deep learning approach aims to provide a more accurate and efficient method for forecasting cyclone intensity

Brain Tumor Classification using Deep Learning Jun 2022 - Aug 2022

- Trained the models (ResNet50, InceptionV3, InceptionResNetV2,CNN,VGG16, Xception), added custom layers to the models, on MRI Scan images collected from Kaggle and evaluated the performance using Accuracy, precision.
- Classified the input image into 1 out of 4 categories(Pituitary, No tumor, glioma, mengioma).
- Resnet50 and CNN gave an accuracy of 96.0% and 95.6% and performed well compared to other models.

Sentiment Analysis Classifier using Neural Networks (Tensorflow, Keras) Mar 2022 - May 2022

- Built a neural network based on LSTM to classify the text into different types of Emotions.
- Model classifies the given text into 1 out of 6 different emotions which are happy, sadness, love, joy, surprise, anger.
- Implemented various NLP preprocessing techniques like Tokenisation, converting text to sequences and padding.

ACHIEVEMENTS

- Published a Research paper with the title Cyclone Intensity Estimation Using Pre-trained Deep Learning Models in ICCIDE-23 International Conference.

CERTIFICATIONS AND BADGES

- Certified with AWS cloud explorer, Cloud inventor, Deepracer Machine Learning Scientist badges.
- Awarded 5 stars in Python, C++, C, by Hackerrank.