VINAY KUMAR GADDAM

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OBJECTIVE

I have good knowledge of building data-intensive applications. Proficient in data modelling, data processing, feature engineering, and applying ML, and DL algorithms. Capable of developing models to translate business and functional qualifications into substantial deliverables. Expertise in training in Neural networks on images and videos and deploying using Flask and Exposing an API for the same.

EDUCATION

PNC & KR Degree College , Narasaraopet **Guntur**
BSC(MPC)
March,2020
Cumulative GPA: 7 . 5 / 10

Relevant Coursework: Machine Learning, Deep Learning.
Major Project was done on deep learning CNN to find the covid19,normal,pneumonia person using x-ray images
And creditcard fraud detection,Identifying cat and dog images

- **Programming Languages:** Python
- **Technical:** Machine Learning, Deep learning, Natural language Processing,, GitHub, Anaconda, Jupyter notebook.
- **Analytics and Data visualization:**Tableu,Sql
- **Machine Learning:** Scikit-learn, Matplotlib, Pandas, NumPy, OpenCV, TensorFlow, NLTK
- **Soft:** Quick Learner, Adaptable, Problem Solving, Confident, Flexibility, Team Work

PROJECTS

Developing Binary classification using CNN for detecting Cat&Dog images *June 2022 – july 2022*
Domain: Machine learning, Deep learning *Team: Individual*

- Detect cat, dog images
- Using **TensorFlow**, **Kera's**, **VGG16**, , OpenCV.
- Improved model Accuracy from **84%** to **98.84%.**

DETECTING COVID19,NORMAL,PNEUMONIA PERSONS BY USING X_RAYS *July 2022 –Aug2022*
Domain: Machine learning *Team: Individual*

- Detect Humans who is having covid19 & Pneumonia
- Using **TensorFlow**, **TensorFlow** – **GPU**, **Kera's**, **OpenCV** (Image Processing)
- Accuracy **97.95%.**

Finding the Fraud in the credit data transaction by the customers. *Sept 2022 – oct2022*
Domain: Machine learning, Python. *Team – Individual*

- Collecting the data from external sources like Kaggle and using feature engineering, cleaning data, and following a complete Machine learning pipeline to make a generalized Model.
- Processed followed data Feature engineering, Feature selection, tuning, and checking validation reports.

Developing Binary_Classification using VGG16 for identifying Cats and Dogs nov2022-dec2022
Domain:Machine learning,Python,Deep learning.

- Identifying cat and dog images
- Using tensorflow,keras,vgg16,opencv
- Improved model accuracy from 81% to 99%

SNAPSHOT:

- Expertise in end-to-end Machine Learning in data handling and how to build specialized ML and DL models for images, classification, and regression.
- Skilled in handling text data by following the NLP pipeline using advanced NLP techniques ex: NLTK, and spacy.
- Expertise in Advanced Machine Learning techniques applied to solve business problems.
- Expertise in handling unlabelled datasets using unsupervised learning approaches to arrive at relevant endpoints.
- Expertise with both finetuning CV models (resnet50/mobile net/Vgg16/Vgg19) to suit customer requirements.
- Expertise in solving business problems involving the integration of NLP as well as Computer Vision techniques.
- Expertise with recent advances in CV techniques: object detection, localization, and Image Pre-processing using Open CV.

SOCIAL LINKS /PROGRAMMING PROFILE

- **Linkedin:** **https://www.linkedin.com/in/vinay-kumar-48212218b/**
- **Github:** **https://github.com/vinay201248**