

Vinay Chandragiri

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EDUCATION

Post Graduate Program - Artificial Intelligence and Machine Learning Great lakes Institute of management(University of Texas, Austin)	Aug 2023 – Aug 2024 Online, Great Learning
Bachelor Of Computer Applications(BCA) University college of science, Osmania University	June 2021 – June 2024 Hyderabad, Telangana
Higher Secondary School, Class XII Narayana Junior college	June 2019 – May 2021 Hyderabad, Telangana

TECHNICAL SKILLS

- **Deep Learning & NLP skills** : Neural Networks, Tensorflow, NLP, Computer Vision, CNN, RNN, Stemming, BoW, Lemmatization, Word Embeddings.
- **Machine Learning skills** : Data Visualization, Clustering, Feature Engineering, Ensemble Techniques, Decision Trees, Naive Bayes, Classification, Linear & Logistic Regression, KNN, Hypothesis Testing, Statistics, EDA, SVM, SVD.
- **Libraries** : Numpy, Pandas, Seaborn, Matplotlib, OpenCV, Tensorflow, Scikit-learn, Keras, tkinter.
- **Programming Languages** : Python(for machine learning), SQL, C.
- **Databases & Tools** : MySQL, Beautifulsoup.
- **Software** : Jupyter, Colab, MS OFFICE, Excel.
- **Web technologies** : HTML, CSS.

PROJECTS

Credit card Fraud Detection System (Academic Project)

- The objective was to build a model which can predict transactions as Legitimate/fraud.
- Built a machine learning model on a data of 2,85,000 rows and 31 features. Trained on different models in which Random forest gave an accuracy of 99.2% and it reduced the risk of overfitting, also built a GUI for easy user interaction.
- The outcome of the project is, the model now can identify transactions and flag them as legitimate/fraud.

Industry Safety NLP based Chatbot (Capstone Project)

- The objective was to design a ML/DL based chatbot utility which can help the professionals to highlight the safety risk as per the incident description.
- The database is basically records of accidents from 12 different plants in 03 different countries which every line in the data is an occurrence of an accident. Successfully implemented a model using LSTM classifier with an overall accuracy of 74.00% and later used tkinter library for building an user interface.
- **Skills and Tools:-** Computer Vision, NLP, CNN, Pickle library.

Support Ticket Categorization

- Developed an advanced support ticket categorization system that accurately classifies incoming tickets, assigns relevant tags based on their content, and assigns priority and ETA for the tickets for prompt resolution.
- **Skills and Tools:-** Large language models(LLM), Prompt Engineering, Transformers.

Object Detection and Recognition

- Implemented an object detection model for highlighting human faces to automate the process of providing information of cast and crew while streaming.
- Implemented face identification model for a company, which intends to recognize human faces from images.

HACKATHONS

Restaurant Turnover prediction

- Participated in a hackathon conducted by Great learning where the aim was to predict the annual turnover of a restaurant by providing the RMSE value as least as possible indicating good working of the model.