DONGALA VENKATESH

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OBJECTIVE

Quick-learning and enthusiastic Information Technology graduate with hands-on experience in machine learning, data analysis, and dashboarding. Proficient in Python, deep learning frameworks, and data visualization tools. Passionate about building intelligent solutions that drive business success and innovation.

EDUCATION

Institute of Aeronautical Engineering ***Sep 2021 – May 2024***
Bachelor of Technology – Information Technology; CGPA: 7.3

SVS Group of Institutions ***June 2018 – Agu 2021***
Diploma of Computer Engineering; CGPA: 7.11

EKASHILA CBSE & STATE SCHOOLS ***March – 2018***
Secondary Education; CGPA: 8.8

SKILL SUMMARY

- **Languages:** Python, SQL, Streamlit
- **Machine Learning**: Scikit-learn, TensorFlow, Keras, PyTorch, Jupyter Notebook
- **Data Analysis:** Pandas, Matplotlib, Seaborn, Tableau, Excel, Power BI

PROJECTS

Fashion Product Image Classification

- Developed a multi-label image classification system for fashion products using a ResNet50 deep learning architecture. The model is capable of predicting four key attributes—product type, color, season, and gender—from a single image, leveraging a dataset of over 44,000 labelled images sourced from Kaggle.
- Implemented the solution in PyTorch, incorporating advanced data augmentation techniques to enhance model robustness and generalization. The entire training pipeline, including data preprocessing, model training, and evaluation, was documented in a Jupyter Notebook for reproducibility.

Predictive Purchase Intention Model | Python, Scikit-learn, Pandas

Goal: To build a model that predicts if a visitor on an e-commerce website will make a purchase.

- The process involved using Python and the pandas library for data cleaning and feature engineering. An automated pipeline was constructed with scikit-learn to streamline the workflow. This pipeline was responsible for scaling numerical features, handling the imbalanced dataset with the SMOTE technique, and performing feature selection using SelectKBest
- The final evaluation identified the Multi-layer Perceptron (MLP) classifier as the best-performing model. When tested on unseen data, this model successfully predicted a user's purchase intention with an accuracy of 87.4%.

CERTIFICATES

Data Science Certification – Naresh I Technologies (6 Months) **Jan 2025 -June 2025**

- Completed a comprehensive Data Science program covering Python, Machine Learning, Deep Learning, SQL, and real-time projects using tools like Pandas, TensorFlow, and Power BI.