Panuganti Arun Kumar

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Objective

An aspiring data science professional skilled in **data analytics**, **machine learning** and **deep learning**.

Skills

Machine Learning: (Data pre-processing, Data Analysis, Numpy, Pandas, Scikit-learn & data visualization)
Deep Learning: (Tensorflow, TensorBoard, Keras, CNN, RCNN, VGG16, etc.,)
Programming Language: (Python and SQL) • **Tools/IDE:** (VS Code, PyCharm and Jupyter Notebook)
Version Control: (Git, DVC API) • **CI/CD:** (CI with Git through "GitHub Actions" and CD with "Heroku")
Webapp framework: (Streamlit and Flask) • **BI Tools:** (Microsoft Power BI)
Testing: ("Pytest" for Unit & Integration testing) • **Packaging:** (building package and uploading in PyPI)

Professional Experience

Data Science Intern, *ineuron.ai pvt. ltd.* 11/2022 – present
I gained hands-on experience working on various data science projects.
Responsibilities:

- analyzing, processing data and generating insights to drive business decisions.
- creating predictive models using machine learning algorithms.

Projects

Flight Fare Prediction (Regression)
The project involved gathering and cleaning data, selecting best features for the model, and training multiple machine learning algorithms to create a model that predict the fare of the flight.
***Skills Demonstrated*:** Data processing • Feature engineering • Model training and evaluation • Creating **flask** web-app and deployed in **Heroku** • used libraries like **scikit-learn**, **pandas**, **numpy**, etc,. • **Demo**

Plants/Crops Recognizer using Convolution Neural Network (CNN)
A system which will recognize about 100 types of plants/crops.
Skills Demonstrated: **DVC** API for Data Version Controlling and pipeline execution • **Tensor Board** to Track and visualize metrics • **Pytest** for Unit & Integration tests • **flake8**, **box** & **ensure** libraries for standard code formatting • **Stremlit** for frontend • **Demo**

Content Based Movie Recommendation System
This objective of this project is to recommend the movies related to movie that we are watching by using the tags such as genre, director, lead actors/actress, etc,.
Skills Demonstrated: Data is fetched from **TMDB API**, then data pre-processed using **pandas** • **Count Vectorizer** is used to vectorze the words according to its frequency and **Cosine Similarity** to compare the similarity between the words • Code is **pickled** and used in **Streamlit** • **Demo**

Education

Bachelor of Engineering in Information Technology, 2017 – 2020
Vasavi College of Engineering Hyderabad, India

Certificates

Full Stack Data Science

Languages

English • Hindi • Telugu