Arpit Durge

Python Developer

arpitdurge14@gmail.com 8999211070 Hyderabad, India linkedin.com/in/arpit-durge
github.com/arpitdurge37 portfolio-arpit-durge.vercel.app

EXPERIENCE

Python Developer Intern 02/2024 – 04/2024
Code Infosystem Pvt. Ltd, Chandrapur

- Completed a learning-oriented internship, gaining hands-on experience with Python and machine learning concepts.
- Built small Python automation scripts for file handling, data cleaning, and repetitive task automation.
- Applied Pandas and NumPy for dataset analysis and preprocessing.
- Worked under mentor guidance on guided ML projects, learning the end-to-end pipeline from preprocessing to model evaluation.

EDUCATION

MCA - 7.59 CGPA 2023
Ballarpur Institute of Technology, Ballarpur

BCA - 7.05 CGPA 2021
Sardar Patel Mahavidyalaya, Chandrapur

PROJECTS

Car Price Prediction

- Built a machine learning model to predict used car prices using features like age, present price, kms driven, fuel type, and seller type.
- Implemented and compared Linear Regression, Random Forest, and ANN models, selecting the best one based on performance metrics.
- Applied data preprocessing techniques such as handling missing values, encoding categorical variables, and feature scaling.
- Deployed the project on Render for real-time predictions with a user-friendly interface.

Spam Email Classification App

- Developed a Streamlit-based web application to classify emails as Spam or Non-Spam using machine learning.
- Implemented NLP preprocessing techniques (tokenization, stopword removal, TF-IDF) to convert raw email text into meaningful features.
- Trained and evaluated models like Naive Bayes / Logistic Regression using Scikit-learn, achieving high accuracy on test data.
- Integrated the ML model into a user-friendly interface with real-time predictions and deployed it for live demo access.

SKILLS

Language: Python

Libraries: NumPy, Pandas, Matplotlib

Database: MySQL

Machine Learning: Regression, Classification, Clustering, Activation Functions, Loss Functions

Deep Learning: Forward & Backward Propagation, Dropouts, Vanishing/Exploding Gradient Problem

Generative AI: Transformers, GANs

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook, Anaconda, v0, Vercel, Firebase, Render

CERTIFICATES

Python with AI — Naresh IT, Hyderabad