DIVYA AGARWAL

Panipat, India | P: +91 8708781557 |Email: divya.agarwal9082@gmail.com|
Linkden: www.linkedin.com/in/divyaagarwal9082 | Github: https://github.com/divy-1909

TECHNICAL SKILLS

Programming Languages: C++,Python, MySQL ,HTML,CSS, Advance MS Excel ,Power BI

Tech Skills: Machine Learning

Certifications/ Courses: Google Cloud Digital Leader, 24

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY	Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science with Specialization in AIML	Aug.2021 – May.2025

CGPA: 8.46/10

S.D. VIDYA MANDIR	Panipat,Haryana
Class XII	Mar.19 - May.2020

Percentage: 91.4%

S.D. VIDYA MANDIR	Panipat,Haryana
Class X	Mar.2017 - May.2018

Percentage: 90%

PROJECTS

Driving Video with Object Tracking (https://github.com/divy-1909/Driving-Video-with-Object-Tracking)   Mar2023 - June2023

- Built a system to detect and track objects like vehicles and pedestrians in driving videos using Python and OpenCV.
- Used bounding boxes to highlight tracked objects and visualize their movement across frames.
- Processed videos efficiently for smooth tracking, even for high-frame-rate videos (60 FPS)
- Tech Stack: Python, OpenCV, NumPy, Matplotlib.

Weather Recommendation System (https://github.com/divy-1909/Desi-Weather-Guru)   July.2024 – Sept2024

- Developed a Python-based system to provide **real-time weather updates** and **personalized recommendations** for Indian cities.
- Integrated OpenWeatherMap API to fetch detailed weather data, including temperature, humidity, and wind speed.
- Designed and implemented **rule-based algorithms** and **machine learning models** (e.g., Decision Trees and Naïve Bayes classifiers) to generate recommendations for activities, clothing, and travel tips based on weather conditions.
- Enhanced back-end efficiency using Flask, ensuring fast data processing and seamless API integration.
- Evaluated the system's performance using metrics like **accuracy of recommendations** (85%) and **response time** (<2 seconds).
- **Key Outcomes:** Enabled users to make informed decisions about daily activities, boosting convenience and safety in varied weather scenarios.
- **Tech Stack:** Python, Flask, OpenWeatherMap API, Machine Learning Models

EXTERNSHIP

SMARTINTERNZ.

AIML Extern	Aug.2023 - Nov.2023

Collaborated in a team of four as a Data Analyst to develop an advanced market segmentation solution for McDonald's consumer dataset:

- Designed a machine learning pipeline using **K-means clustering** and **Latent Class Analysis (LCA)** to identify consumer segments.
- Utilized **Principal Component Analysis (PCA)** for dimensionality reduction, optimizing model performance.
- Applied statistical methods like **logistic regression** to predict segment memberships and validate models.
- Created visualizations to explain consumer behavior patterns, enabling data-driven marketing strategies.
- **Tech Stack:** Python (**pandas, scikit-learn, NumPy, Matplotlib**), Statistical Analysis, Machine Learning Clustering Algorithms.

EXTRACURRICULAR AND CO-CURRICULAR

- 2nd place in intra-college Kabaddi competition (2022)
- Active participation in college events including tug of war and treasure hunt

Coding :

- Geeks for Geeks Coding Profile: Rank 88,666
- LeetCode Global Ranking: 301,757

Languages: English(Fluent), Hindi(Native)