TAMILALAGAN R

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Thanjavur, Tamil Nadu, India

SUMMARY

Gained hands-on experience as a Production Trainee at Delphi-TVS, supporting manufacturing processes, maintaining production efficiency, and collaborating with teams to ensure smooth operations. Later, as a Video Editor at Ari's Analytics, delivered high-quality commercials and short films by assembling raw footage, applying color correction, synchronizing audio-video tracks, and creating engaging motion graphics. Optimized workflows through effective footage organization, trimming techniques, and storytelling enhancements, ensuring timely delivery and strong audience engagement.

EDUCATION

Selvam College Of Technology

BE - Electronics and Communication Engineering
2017 – 2021
CGPA - 7.81

Kalyana sundaram higher secondary school

HSC
2016 - 2017
Percentage-55.58%

ST.Antony's High School

SSLC
2014 - 2015
Percentage - 81%

SKILLS

- Python (Pandas, NumPy, NLTK, Scikit-learn) SQL (Data Querying, Joins)
- Regular Expressions (Regex)
- Exploratory Data Analysis (EDA)
- Data Preprocessing & Cleaning
- Matplotlib, Seaborn
- Supervised Learning(Linear Regression, Logistic Regression)
- Unsupervised Learning(K-Means, Hierarchical Clustering)
- Model Evaluation (Accuracy, Confusion Matrix, F1 Score)
- Scikit- learn Pipeline Design
- Text Preprocessing (Tokenization, Stopword Removal, Stemming)
- Sentiment Analysis (NLTK)
- Web Scraping (BeautifulSoup, Requests)

CERTIFICATIONS

- Certified Data Scientist - DataMites

PROFESSIONAL EXPERIENCE

Delphi-TVS, Production Trainee -Jan 2022 – Feb 2023

- **Maintain Company Production**

Ari's Analytics, Video Editor - Apr 2023 – Nov 2024

- Edited and assembled raw footage into polished video content for commercials, short films ensuring high-quality results and timely delivery. Organized and sorted raw footage, optimizing workflow for efficient editing and collaboration.

- Applied color correction and grading techniques to ensure a cohesive visual tone across all projects.

- Synced audio and video tracks, adjusting levels to ensure clear dialogue and balanced sound design.

- Created motion graphics, titles, and on-screen text (lower thirds, captions) to enhance storytelling and user engagement.

- Performed video trimming and cutting to maintain narrative flow, pacing, and viewer retention.

PROJECTS

Heart Disease Prediction(HDP)
Self-based

Tech Skills – Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Flask, Machine Learning, Data Preprocessing, EDA, Logistic Regression, Random Forest, Model Evaluation (Accuracy, Confusion Matrix, F1 Score)

Developed a machine learning model to predict
Heart Disease from patient medical data. Performed data cleaning, feature engineering, and exploratory data analysis to identify critical cardiovascular health indicators. Implemented and compared classification algorithms (Logistic Regression, Random Forest), achieving high predictive accuracy. Built and deployed an interactive Flask web application for real-time heart disease predictions and insightful data visualization