LIKHITH USURUPATI

AI/ML ENGINEER

CONTACT

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EDUCATION

Bachelor's degree
SRM University | CGPA: 9.17
B.Tech (CSE) with specialization in Big Data Analytics
Chennai – Oct, 2024

Higher Secondary
Sunbeam CBSE School
Vellore – May, 2020

SKILLS

- Python, C++, SQL, JS
- AWS Cloud Platform
- Apache Hadoop & Spark
- Machine Learning
- AI & Deep Learning
- MATLAB, PowerBI
- Tensorflow, PyTorch
- Sci-kit learn, OpenCV
- Docker & Kubernetes
- Git, GitHub, Hugging face

CERTIFICATIONS

Internship Certificate
AICan Automate Pvt. Ltd.
Feb 2023

Python Advanced Course
Udemy
Feb 2023

PROFESSIONAL OVERVIEW

A Computer Science graduate specializing in Big Data Analytics with a strong foundation in machine learning, AI, and data science. Experienced in developing innovative projects using TensorFlow, PyTorch, Scikit-learn, and cloud platforms like AWS. Passionate about building scalable, data-driven applications to solve real-world challenges.

WORK EXPERIENCE

Machine Learning Intern

AICan Automate Pvt. Limited | Remote, IN Nov, 2022 – Dec, 2022
(via TeachNook & Wessenaire IIT-Bhubaneswar Internship Program)

- Developed a supervised learning model for predicting chocolate ratings using Kaggle's Churn Dataset.
- Performed extensive exploratory data analysis (EDA) to identify trends and clean data for optimal model performance.
- Implemented an artificial neural network (ANN) for prediction and compared performance with other regression models, achieving 97.5% higher accuracy.

PROJECT WORKS

Credit Card Fraud Detection using Bi-LSTM & Domain Knowledge Learning | March 2024 – May 2024

- Designed a Bi-directional LSTM (Bi-LSTM) network to detect fraudulent transactions by leveraging sequential dependencies in financial data.
- Addressed class imbalance using PCA, under-sampling techniques, and ensemble methods, outperforming traditional generative models.
- Achieved 99.8% classification accuracy, demonstrating superior fraud detection capabilities.

Music Genre Classification using KNN Algorithm | April 2023

- Built a K-Nearest Neighbors (KNN) classifier to categorize music audio files into 10 predefined genres (Jazz, Rock, Classical, etc.).
- Extracted Mel-Frequency Cepstral Coefficients (MFCCs), chroma features, and spectral contrast using Librosa.
- Achieved high classification accuracy through optimized hyperparameters and effective data preprocessing.