ADITYA AVLANI

MACHINE LEARNING ENGINEER

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SUMMARY

Enthusiastic Machine Learning enthusiast with a strong foundation in Python, data analysis, and ML algorithms. Passionate about deep learning, predictive modeling, and feature engineering, applying these concepts through hands-on projects. Developed an LSTM-based stock prediction model, a house price prediction system using Linear Regression, and a crop yield prediction model using Random Forest & XGBoost. Skilled in data preprocessing, model optimization, and deployment. Eager to gain practical industry experience through an internship and contribute to real-world AI & ML projects while continuously learning and growing.

TECHNICAL SKILLS

Programming: Python, C, C++, Java , JavaScript
Frameworks: Bootstrap,Tailwind,React.js
ML Libraries: Pandas, Numpy ,matplotlib,Sklearn,keras, TensorFlow
Database: MySQL
Tools & Technology: Google Colab,Jupyter Notebook, GitHub
Problem Solving: DSA (Leetcode,Geeksforgeeks,coding ninjas)

PROJECTS

Stock Price Prediction using LSTM (End-To-End) (Link)

- Developed and deployed a deep learning-based stock price prediction model using LSTM (Long Short-Term Memory) networks.
- Used historical stock market data for training and implemented data preprocessing techniques to improve accuracy.
- Built an interactive web app using Streamlit for real-time stock trend forecasting.
- Tools & Technologies: Python, TensorFlow/Keras, Pandas, NumPy, Matplotlib, Streamlit

House Price Prediction using Linear Regression(Link)

- Created a supervised learning model to predict house prices based on factors such as location, area, and number of rooms.
- Implemented feature engineering and data normalization to enhance model performance.
- Trained and evaluated the model using scikit-learn's Linear Regression algorithm.
- Tools & Technologies: Python, Scikit-learn, Pandas, Matplotlib

Crop Prediction System(Link)

- Built crop yield prediction model using supervised learning with environmental and soil parameters.
- Preprocessed data and engineered features to improve model accuracy and interpretability.
- Trained and evaluated models using Random Forest and XGBoost for high-performance predictions.
- Tools & Technologies: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn.

ACADEMIC HISTORY

Charotar University of Science & Technology | 2023-27
B.Tech - Computer Science and Engineering
- CGPA: 9.37

Modi School | 2018-2023
HSC
- 12th Board: 94.00 percentile

CERTIFICATION

Certificate of Supervised Learning | 2025
Deep Leaning AI , Coursera

Certificate on Genrative AI | 2025
Certified by Gamma Club

Certificate on Data Analysis | 2025
Great Learning