AGAM PATEL

DATA SCIENTIST

CONTACT

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EDUCATION

B.TECH. • 2022-2026

Sri Ram Institute of Technology, RGPV University

Jabalpur, Madhya Pradesh

KEY SKILLS

Python
Machine Learning
Computer Vision
Natural Language Processing
MySQL, MongoDB, Cassandra
Tensorflow
Heroku, AWS
Docker, Kubernetes, MLFLOW

CERTIFICATIONS

Data Science
PW Skills

ML Ops Bootcamp
Udemy

PROFILE

Enthusiastic data scientist with strong skills in Python, SQL, and data analysis libraries like Pandas and Scikit-Learn. Experienced in data preprocessing, exploratory data analysis, and model building, with a foundation in statistical analysis and machine learning. Eager to bring analytical skills to solve real-world data challenges.

EXPERIENCE

DATA SCIENCE INTERN • MAY 2024 – JULY 2024

PW Skills | Remote

I developed a forecasting model to predict petrol prices using historical data. Starting with data cleaning and preprocessing to manage missing values and seasonal patterns, I conducted exploratory data analysis (EDA) to identify trends and correlations. I implemented time series models, such as ARIMA and Prophet, to build accurate forecasts. After optimizing model parameters, the forecast provided insights into potential price changes, aiding in strategic planning for fuel cost management.

PROJECTS

WINE QUALITY PREDICITION

I utilized the Elastic Net regression model to predict wine quality based on various chemical properties of the wine. The Elastic Net model was chosen due to its ability to perform feature selection and handle multicollinearity among the features. By combining both L1 and L2 regularization, it provided a balanced approach to preventing overfitting while maintaining model interpretability.

LEAF DISEASE DETECTION & PREDICTION

For building and training the deep learning model tensorflow is used. MobileNet, a lightweight, efficient architecture perfect for running on devices with limited resources. Keras simplifies model building and allows for easy integration with TensorFlow. Overall, the project was highly accurate.