AGAM PATEL

ML ENGINEER

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

Expertise in Machine Learning with a proven ability and history of developing full-stack machine learning projects. I'm curious about data, training Machine Learning/ Deep Learning models, and providing beautiful insights that are easily understandable. Hands-on experience in leveraging machine learning, deep learning, transfer learning models to solve challenging business problems.

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.

NEXT WORD PREDICTION USING LSTM RNN

A next-word predictor using an LSTM (Long Short-Term Memory) Recurrent Neural Network (RNN) is a machine learning model designed to predict the most likely next word in a sentence based on the context of previous words. Leveraging the memory capabilities of LSTM, it captures long-term dependencies in text sequences, making it suitable for language modeling tasks. The model is trained on large text corpora to learn language patterns, allowing it to predict coherent and contextually relevant next words in real-time applications such as chatbots, typing assistance, and text completion tools.