AYUSH ASHTIKAR

AI, ML, DATA SCIENCE

+91 8516007568
ayushashtikar95@gmail.com
Sausar, MP, India 480105
ayushash1.github.io/my_site/
github.com/ayushash1
Linkedin

SUMMARY

Detail-oriented Data Science and Machine Learning Enthusiast with a BSc in Mathematics and expertise in machine learning and AI. Skilled in using Python and other tools to analyse complex data sets, I've successfully developed predictive models that improve decision-making processes. Adept at translating technical insights for non-experts, I bring a strong analytical mindset and a commitment to continuous learning. Eager to contribute to innovative projects that blend mathematical rigor with real-world impact.

SKILLS

- Strong problem-solving
- Analytical skills
- Python
- Machine Learning
- EDA
- Data Visualization
- Numpy, Pandas
- Matplotlib, TensorFlow

PROJECTS

Credit Card Fraud Detection

Machine Learning Model

- *·The project aimed to develop an effective credit card fraud detection system to enhance security measures in financial transactions.*
- Recognizing the challenge of imbalanced data, Synthetic Minority Over-sampling Technique (SMOTE) was employed.
- ·Evaluated models based on precision, recall, and F1-score to ensure a balanced assessment of their effectiveness in fraud detection.
- Achieved an impressive accuracy rate of 99.8%, showcasing the robustness of the implemented solution in accurately identifying fraudulent activities.

House Prises Prediction

Machine Learning Model

- The project focused on predicting house prices by leveraging both categorical and numerical variables to provide accurate estimates.
- Dealt with a mix of categorical and numerical variables, requiring a nuanced approach to feature engineering and pre-processing
- Utilized correlation analysis to understand the relationships between different features, assisting in the elimination of redundant or highly correlated variables.
- Achieved an accuracy rate of 85.24%, demonstrating the effectiveness of the selected models in capturing the underlying patterns in the data.

Digit Recognition using CNN

Deep Learing / Computer Vision

- *developed a highly accurate Convolutional Neural Network (CNN) model using the TensorFlow and Keras frameworks.*
- *·The goal of this project was to recognize handwritten digits from the famous MNIST dataset, and I achieved an outstanding accuracy rate of 98.9%.*

EDUCATION

Bachelor of Science in Maathematics

Dr Hari Sing Gaur University, Sagar • 2020–2023

12th Standard

Board of Secondry Educaton • 2019-2020

CERTIFICATIONS

IBM Data Analyst

IBM and Coursera

Machine Learning Specialization

Stanford online, deeplearning.ai and Coursera

Mathematics For Machine Learning Specialization

deeplearning.ai and Coursera