

AYUSH VISHWAKARMA

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PROFESSIONAL SUMMARY

Aspiring Machine Learning Engineer with a strong foundation in Python and AI/ML technologies. Passionate about solving real-world problems using data-driven insights. Experienced in working with Pandas, NumPy, Scikit-learn, fastApi, and docker.

TECHNICAL SKILLS

- Programming Languages : Python, Shell Scripting
- Frameworks : Pandas, Matplotlib, Seaborn, Scikit-Learn, Numpy
- Tools & Platforms: Jupyter Notebook, Google Colab, Linux (Mint), Git, Flask, FastAPI, Docker
- Version Control: GitHub ([AyushAI14](#))

PROJECTS

Bitcoin and Ethereum Trend Predictor

- Developed a machine learning model to predict Bitcoin and Ethereum price trends with 60% accuracy.
- Utilized historical price data, Sentiment Analysis, and time series analysis.
- Implemented feature engineering techniques to improve model performance.

Building ML Algorithm from Scratch

- Created a custom ML algorithm without relying on pre-built libraries.
- Implemented fundamental concepts like gradient descent, optimization, and feature scaling.
- Evaluated performance on sample datasets to ensure accuracy and MSE.

House Price Prediction

- Built a Stacking Regressor pipeline for house price prediction using GradientBoostingRegressor, XGBRegressor, Ridge, and CatBoostRegressor as base models, with GradientBoostingRegressor and XGBRegressor as final estimators. Achieved an R^2 score of ~ 0.90 .

CERTIFICATIONS

- Kaggle Machine Learning (Basic & Intermediate)
- kaggle Pandas and Data Visualization course

EDUCATION

Bachelor of Computer Application

2023 - Present

MJPRU University

SOFT SKILLS

- Problem-Solving & Analytical Thinking
- Strong Communication & Team Collaboration
- Time Management & Adaptability