Hrushikesh Parida

Navi Mumbai, India, Phone no: - 9702470960, Email: - hrushikeshparida8@gmail.com

LINKS

LinkedIn - https://www.linkedin.com/in/hrushikesh-parida-9bb825291/

Kaggle - https://www.kaggle.com/hrushikeshparida

GitHub - https://github.com/DarkHrushi

OBJECTIVE

Ready to utilize my skills and passion to further the mission of a company. Technologically adapt on advanced computer skills. Bringing forth a positive attitude and the willingness and motivation to learn new programs.

EDUCATION

2010 — 2020	SSC, Ramsheth Thakur Public School	Navi Mumbai
2020 — 2023	Diploma in Mechanical Engineering, Bharati Vidyapeeth Institute of Technology	Navi Mumbai
2024 — Pursuing	B. Tech in Computer Science Engineering, Bharati Vidyapeeth Deemed University	Navi Mumbai

CERTIFICATION

Certified in Python as a Data Scientist NetTech India (Thane)	(September 2023 – October 2023)
Certified in Machine Learning as a Data Scientist NetTech India (Thane)	(November 2023 – January 2024)
Certified in Artificial Intelligence as a Data Scientist NetTech India (Thane)	(January 2024 – February 2024)

TECHNICAL SKILLS

Python Programming	Data Manipulation
Data Analysis	Machine Learning
Statistical Modelling	Deep Learning
Data Visualization	Web Development

SOFT SKILLS

Teamwork Skills	Highly Motivated
Hard Working	Time Management
Adaptability	Prompt Engineering

PROJECTS

Graphical User Interface (GUI) / Python Project (September 2023 – November 2023)

– Developed a GUI application for data visualization using Python libraries.
– I have integrated multiple python projects into a GUI using the tkinter library.
– Each project is accessible via buttons, allowing for easy navigation and utilization by users.
– I am continually enhancing its functionality for future improvement.

Final Project / Machine Learning Project (November 2023 – January 2024)

- Worked on a final project focusing on machine learning techniques for predictive modelling.
- I developed a Machine Learning project using two datasets.
- I started with the Income train datasets, using libraries like numpy, pandas, matplotlib and seaborn.
- I conducted data exploration, handling, missing values, and converting categorical columns.
- Exploratory Data Analysis involved creating various graphs like work-class, age, salary, income and native place distribution graphs.
- Feature engineering improved model accuracy by encoding unique values.
- I explored hypothetical scenarios and analyzed gender pay gaps.
- Hyperparameter tuning via Grid Search identified Random Forest Classifier as the best model.

Google Train Model / Artificial Intelligence Project (January 2024 – March 2024)

I developed a Google Train Model to find the best ARIMA model parameters for predicting Google stock prices.
Here's a step-by-step overview of what I did:

– Imported Libraries: I used pandas, matplotlib, and ARIMA from the stats model's library.

– Loaded the Dataset: I loaded the Google stock prices dataset and viewed its basic information and summary statistics.

– Prepared the Data:
  - Converted the 'date' column to datetime format for time series analysis.
  - Set the 'date' column as the DataFrame index.
  - Selected only the 'close' prices for analysis.
  - Split the Data: I split the data into a training set (up to the end of 2020) and a test set (the year 2021).

– Defined Model Parameters: I defined ranges for the ARIMA model parameters (p, d, q).

– Grid Search for Best Model:
  - I generated all possible combinations of p, d, and q values.
  - I used a grid search to fit an ARIMA model for each combination and calculated the AIC (Akaike Information Criterion) for each model.
  - The model with the lowest AIC was selected as the best model.

– Fitted the Best Model: I fitted the ARIMA model with the best parameters to the training data.

– Forecasted Prices: The model was used to forecast the closing prices for the test set (2021).
– Plotted Results: I plotted the actual vs. predicted closing prices for 2021.
– Output: I printed the best model parameters and their corresponding AIC value.