Aayush Sharma

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LinkedIn | Github | Portfolio

SKILLS

Languages	:	Python, SQL, C, Rust, HTML/CSS
Frameworks	:	Flask, MySql, BigQuery, Mage, Tensorflow, Sklearn
Technical Tools	:	Tableau, Power BI, Looker, Git, GCP, Jupyter Notebooks
Analytical Skills	:	Problem solving, Critical thinking, Data analysis, Research

PROJECTS

Uber Data Analytics *[GCP VM(Compute Engine), GCP storage, Mage, BigQuery, Looker, Jupyter Notebook]*

- Led the development of an interactive NYC Uber taxi data dashboard, enhancing data-driven decision-making.
- Utilized GCP storage and VM Instance for efficient data processing and implementing a Mage data ETL pipeline.
- Conducted data analysis with BigQuery using SQL and created an engaging dashboard with Looker Studio.

Stock Price Prediction using Machine Learning *[Sklearn, Keras, Flask, HTML/CSS, DataSpell]*

- Engineered a time series Stock Price Prediction system utilizing machine learning, emphasizing accurate closing stock price forecasts based on opening prices.
- Implemented an advanced Recurrent Neural Network called Long Short-Term Memory (LSTM) model within the Machine Learning framework for precise predictions, achieving an impressive 93% prediction accuracy.
- Developed an intuitive and interactive front-end using HTML/CSS, seamlessly integrated with Flask.

Spotify Music Recommendation System *[Sklearn, Spotify API, Pandas, Numpy]*

- Orchestrated the creation of a potent Spotify music recommendation system, precisely tailoring song suggestions based on user preferences.
- Employed the Spotify API to fetch and analyze user playlists, integrating a hybrid ML model that blends content-based filtering with a weighted popularity score for accurate recommendations.
- Achieved an impressive 95% likeness to user music preferences in the recommendation system.

Exploratory Data Analysis (EDA) *[NumPy, Pandas, Seaborn, Matplotlib, Plotly, Jupyter notebook]*

- Conducted EDA on Netflix and Amazon Prime Video datasets, unveiling patterns and relationships through Data Visualization using Matplotlib, Plotly, and a Tableau dashboard.
- Applied Data Preparation and Cleaning techniques to handle null values and missing data, ensuring robust analysis.

EDUCATION

Pranveer Singh Institute of Technology   7.66 CGPA
B.Tech in Computer Science and Engineering (Artificial Intelligence)   *2020 – Present*

Dr. V.S.E.C Shyam Nagar   88%
Higher Secondary School (CBSE)   *2018 – 2019*

CERTIFICATIONS

Machine Learning Specialization [**Coursera**] [August 2023]

Google Data Analytics Professional Certificate [**Coursera**] [Ongoing]

Overview of Space Science and Technology [**Indian Space Research Organisation (ISRO)**] [September 2023]