Harikesh Kushwaha

Location: New Delhi, Delhi

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EDUCATION

Indian Institute of Technology Delhi   New Delhi, India
Master of Science in Physics, (8.6 GPA)   *July 2021 – May 2023 (Expected)*

Banaras Hindu University   Varanasi, Uttar Pradesh India
Bachelor of Science in Physics, (8.4 GPA)   *July 2018 – May 2021*

TECHNICAL SKILLS

Languages	: Python (Proficient), SQL, C++
Frameworks	: Scikit-learn, TensorFlow, Keras, Django, Streamlit
Libraries	: matplotlib, plotly, pandas, NumPy, Seaborn, BeautifulSoup, Selenium, Statsmodels
Databases	: MySQL, MongoDB
Programming Skills	: VS Code, Tableau, Cognos, Git, GitHub, Jupyter Notebook, Anaconda, AWS, S3
Soft Skills	: Analytical and Problem-Solving Skills, Good Communication Skills, Statistics

PROJECTS

House Prices Prediction   *Python, pandas, scikit-learn, kaggle, Matplotlib, Seaborn*   Source Code

- Analyzed over **80** features to predict house prices using machine learning.
- Performed **Exploratory Data Analysis** and **feature engineering** to get insight from data.
- Trained **multiple models** using scikit-learn and selected the best one by applying **grid search** and **cross-validation**. Used ensemble of the top performing models to achieve a **top 10%** ranking on Kaggle.

Credit Risk Assesment   *Python, pandas, scikit-learn, kaggle*   Source Code

- Developed a credit textbfrisk assessment model by analyzing various customer features, performing data cleaning, feature engineering, and exploratory data analysis.
- Established a basic model for initial experimentation, and trained advanced models such as **LR**, **SVM**, **XGBoost**, **Catboost**. Top performing model, achieved a test AUC-ROC score of **0.97** and precision of **0.96**.

IBM Data Analytics Capstone Project   *Python, pandas, Matplotlib, Web Scraping, API, Dashboard*

- Gathered and analyzed data from various sources, including **API** and **web scraping**. Conducted **exploratory data analysis** and **wrangling** to prepare the data for further analysis.
- Built a **dynamic dashboard** to extract valuable insights from the collected data, and effectively **communicated** the findings to others through an **engaging presentation**.

Tableau Dashboards   *Tableau, Web Scraping, Web API, BeautifulSoup*   Music Books

- Created an interactive **Tableau viz** showcasing my **Spotify streaming history** over several years, using **data blending** and **calculated fields** to present key insights.
- Utilized **web scraping** techniques to extract my book reading history from **Goodreads** and created an interactive **Tableau** dashboard to analyze and visualize the data.

CERTIFICATIONS

- Deep Learning Specialization (DeepLearning.AI) Certificate

- Machine Learning Specialization (DeepLearning.AI) Certificate

- IBM Data Analyst Capstone Project (IBM) Certificate