

# Harikesh Kushwaha

Location: New Delhi, Delhi

[LinkedIn](#) | [Portfolio](#) | [GitHub](#) | [Kaggle](#)

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## DATA ENGINEER

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As a recent graduate with a strong foundation in **statistics** and data science, I have worked on several personal projects with real datasets using SQL and Python. In my projects, I have showcased my skills in **data cleaning**, **data visualizations**, and **modeling**. With a passion for solving complex problems and a drive to constantly learn and improve, I am excited to take on new challenges and learn from them.

## TECHNICAL SKILLS

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**Languages** : Python, SQL, MATLAB  
**Frameworks** : Scikit-learn, TensorFlow, Keras, Django, Streamlit  
**Libraries** : matplotlib, plotly, pandas, NumPy, Seaborn, BeautifulSoup, Selenium, Statsmodels  
**Databases** : MySQL, MongoDB  
**Dev Tools** : VS Code, Tableau, Cognos, Git, GitHub, Jupyter Notebook, Anaconda, AWS, Azure  
**Soft Skills** : Analytical and Problem-Solving Skills, Good Presentation Skills, Communication skills

## EDUCATION

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**Indian Institute of Technology Delhi**  
*Master of Science in Physics, (8.6 GPA)*

New Delhi, India  
*July 2021 – May 2023 (Expected)*

**Banaras Hindu University**  
*Bachelor of Science in Physics, (8.4 GPA)*

Varanasi, Uttar Pradesh India  
*July 2018 – May 2021*

## PROJECTS

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**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** using **cognos** 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.

**Credit Risk Assessment**      *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**.

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

[Source Code](#)

- Analyzed over **80** features to predict house prices using machine learning.
- Performed **data visualization** and **feature engineering** using Matplotlib and Seaborn, respectively.
- Trained **multiple models** using scikit-learn and selected the best one by applying **grid search** and **cross-validation**. Achieved a **top 12%** ranking on the Kaggle leaderboard.

## CERTIFICATIONS

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- Deep Learning Specialization (DeepLearning.AI) [Certificate](#)
- Machine Learning Specialization (DeepLearning.AI) [Certificate](#)
- IBM Data Analyst Capstone Project (IBM) [Certificate](#)