

Harikesh Kushwaha

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

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DATA SCIENTIST

Recent graduate with a background in Data Science, Finance, and Statistics seeking to kickstart a career in the field of data analysis. Proficient in statistical analysis tools such as Python and SQL, with experience in data visualization and machine learning techniques. Highly motivated, detail-oriented, and eager to contribute to a dynamic team.

TECHNICAL SKILLS

Languages	: Python, C++, SQL
Libraries	: Matplotlib, Pandas, NumPy, Seaborn, scikit-learn, Tensorflow, Pytorch, Statsmodels
Databases	: MySQL, MongoDB
Dev Tools	: Linux, VS Code, Tableau, Git, GitHub, Jupyter Notebook, AWS, S3
Soft Skills	: Analytical and Problem-Solving Skills, Good Presentation Skills, Communication skills

EDUCATION

Indian Institute of Technology Delhi <i>Master of Science in Physics, (8.6 GPA)</i>	New Delhi, India <i>July 2021 – May 2023 (Expected)</i>
Banaras Hindu University <i>Bachelor of Science in Physics, (8.4 GPA)</i>	Varanasi, Uttar Pradesh India <i>July 2018 – May 2021</i>

PROJECTS

optionalyzer	<i>Python, options, futures, plotly, BS model</i>	Source Code
<ul style="list-style-type: none">Developed optionalyzer, a powerful Python library for Options Strategy Builder that makes it easy to create custom options trading strategies.Implemented the Black-Scholes Model to accurately calculate Option prices and utilized optimization techniques to find the implied volatility of the Option, enabling users to make better trading decisions.Leveraged Plotly to create an interactive Options payoff diagram for any date, allowing users to explore potential outcomes for different combinations of Options.		
IBM Data Analytics Capstone Project	<i>Python, pandas, Matplotlib, Web Scraping, API, Dashboard</i>	
<ul style="list-style-type: none">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.		
House Prices Prediction	<i>Python, pandas, scikit-learn, kaggle, Matplotlib, Seaborn</i>	Source Code
<ul style="list-style-type: none">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.		
Tableau Dashboards	<i>Tableau, Web Scraping, Web API, BeautifulSoup</i>	Music Books
<ul style="list-style-type: none">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

- Financial Markets (Yale University) [Certificate](#)
- Machine Learning Specialization (DeepLearning.AI) [Certificate](#)
- IBM Data Analyst Capstone Project (IBM) [Certificate](#)