

Talha Hussain

Data Analyst  | Mathematician  | Data Scientist  | Machine Learning Engineer 

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Objective

Highly skilled Data Scientist and Mathematician with extensive experience in Data Analysis, Machine Learning, and developing advanced algorithms. Proficient in Python and mathematical techniques to tackle diverse analytical challenges. Proven track record of delivering actionable solutions for business growth and decision-making through data-driven approaches. Experienced in creating interactive dashboards for data visualization and insights.

Experience

POSITION	COMPANY	Duration	EXPERIENCE
DATA ANALYST/SCIENTIST	The Game Storm Studios	May – June 2024	2 month

Education

DEGREE	UNIVERSITY	SESSION	CGPA
M.phil in Data Science	University of the Punjab	sep,2023–present	3.1
Masters in Mathematics	University of okara	2021–2023	3.2
Bachelors in Science	University of the Punjab	2018–2020	2st Division

Skills

1. **Programming Languages:** Python, C++ (overview)
2. **Development Tools:** Jupyter Notebook/JupyterLab, Google Colab, Visual Studio Code
3. **Google Workspace (formerly G Suite):** Docs, Sheets, Slides, Forms
4. **Microsoft Office Suite:** Excel, Word, PowerPoint, Outlook, Power BI
5. **Power BI:** Proficient in visualization and dashboard development
6. **Data Visualization:** Matplotlib, Seaborn
7. **Operating Systems:** Linux Ubuntu, Windows
8. **Version Control:** Github
9. **Data Preprocessing:** Data cleaning, preprocessing, and EDA
10. **ETL Processes:** Extract, Transform, Load processes for data management
11. **Statistical Analysis:** Probability, Hypothesis Testing, Time Series Analysis
12. **Mathematical Analysis:** Linear Algebra, Calculus, Probability Theory, Discrete Math
13. **Machine Learning Algorithms:** Regression, Classification, Clustering, Neural Networks
14. **Deep Learning :** CNN, RNN, LSTM, GRU, Transformers etc
15. **Natural Language Processing (NLP) :** Tokenization, Sentiment Analysis etc
16. **Project Management and Team Collaboration:** Slack
17. **Design and Creative Collaboration:** Canva

Projects

- Analyzed a wine reviews dataset to identify key characteristics and patterns using statistical and visualization techniques.
- Developed a regression model to predict car prices based on features.
- Performed sentiment analysis on customer feedback using deep learning.
- Examined the impact of mobile phone usage on mental health through statistical analysis.

Certifications and workshops

- **Neural Network and Deep Learning** certification, Deeplearning.AI, May 12, 2024
- <https://coursera.org/share/1e9d8dc7fc5748cae5ca73a4366c4b90>
- Two-Day Training Workshop on **Deep Learning for Image Recognition and Dynamic Simulation for Mathematical Models**, Government College University Faisalabad, 2023.

Test scores

- **GAT-General** : Scored 71/100 (85th percentile), conducted by **NTS**, February 2023.