

# Ali Abbas

## Data Scientist | Machine Learning Engineer

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### PROFESSIONAL EXPERIENCE

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#### Junior Data Scientist

05/2022 – 02/2023

Baltoro, ([baltoro.io](#)), Lahore, Pakistan. (Hybrid)

- Image Classification and Object Detection
- Feature Detection of images using different approaches such as n-brightest points in the images and data augmentations.
- Creating Filters from scratch to identify hidden features from images.
- Worked with Python as the main programming language for training models as well as EDA and other tasks.
- Solving Machine Learning Problems using Pyspark Language.
- Doing QA for the baltoro.io platform.

#### Freelance Data Scientist

08/2021 – 04/2022

Fiverr.com, Lahore, Pakistan (Remote)

- **Machine Learning & Deep Learning** projects involving Data Analysis & Visualization, Image Classification, Tabular Data classification and regression, Anomaly Detection, Feature Engineering of different dataset and Technical Writing etc.
- Completed the projects for clients and got 5-star reviews resulting in retaining clients.
- Achieved an award of Level 1 Seller.

### SOFT SKILLS

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Teamwork and Collaboration, Written and Verbal Communication, Martial Arts and Cooking.

### TECHNICAL SKILLS & TOOLS

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**Machine Learning:** Classification, Clustering, Linear Regression, Logistic Regression, Decision Tree, Random Forest, KNN, SVM, K-means, K-means++, Ensemble models, PCA. Handling unbalanced DataSet, ARIMA, XGBOOST. LG BOOST, BUC.

**Deep Learning:** Neural Networks, CNN, RNN, LSTM.

**Programming:** Python (Basic, PyTorch, TensorFlow, Keras, Scikit-learn, NumPy, Pyspark), MySQL (Basic)

**Data Analysis & Visualization:** Python (Pandas, Seaborn, Matplotlib, Plotly)

**Cloud Services:** AWS (Lambda, S3, EC2)

**Others:** Google Colab, Jupyter Notebooks, Predictive models, Image Manipulation, Data Modeling, OpenCV.

## EDUCATION

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**2023-2025- University of Management and Technologies(UMT), Lahore, Pakistan.**

Masters of Science – Data Science

**Major Subjects:**, Machine learning | Deep Learning | Computer Vision | NLP

Just Started.

**2022– Information Technology University, (ITU), Lahore, Pakistan**

Bachelor of Science – Economics with Data Science

**Major Subjects:**, Machine learning | Deep Learning | Statistics

## PROJECTS

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### Urdu Poetry Generation Using LSTM

Bachelor's FYP

- **Generating poetry** that is of the same method in which the other writers write.

### Covid-19 Pattern forecasting

- The aim of this project was to forecast the pattern **of Covid-19 death, survival and infected rates**. The aim of this forecasting was to get a beforehand knowledge of coming dangers that might help the government to create policies accordingly.

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## ACHIEVEMENTS & CERTIFICATIONS

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### ITU – Best FYP in batch

**IBM** – Introduction to Data Science in Python (IBM).

**IBM** – Machine Learning using Python for Data Science (IBM).