

UMAIMA ABDUL RAUF

Undergraduate Software engineer



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<https://github.com/itsmeumaima>

EDUCATION

**NED University of
Engineering and Technology**
Software Engineering
2023 - 2027

**Metropolis Intermediate
College**
Pre-Engineering
2021-2023

Metropolis Academy
Computer science
2009-2021

EXPERTISE

- Data Visualization
(seaborn, matplotlib)
- Data Preprocessing
(numpy, pandas)
- Programming
Languages (python,
C++, C#)
- Data Structure and
Algorithm
- Power BI
- SQL

LANGUAGE

- English
- Urdu

PROFILE

A passionate Software Engineering student with a strong interest in Artificial Intelligence and Data Science. I have practical experience in exploratory data analysis (EDA) and feature engineering across diverse Kaggle datasets, including Black Friday, Student Performance, Zomato, and Chocolate Price.

Currently, I am expanding my skill set by exploring machine learning algorithms. Alongside Python and key data analysis libraries, I am proficient in Power BI, which enables me to design insightful, interactive dashboards and reports.

PROJECTS

Detect Empty Parking Spaces (First Semester, Python Programming)

- Developed a system to detect empty parking spaces using cv2 in collaboration with a team to implement computer vision techniques.

WhatsApp Chat Analyzer

- An interactive tool that visualizes chat patterns, user activity, message frequency, and sentiment using Python and Streamlit.

EDA and Feature Engineering:

- Perform EDA in many kaggle datasets including titanic, student dropout, Black Friday and many others.
https://github.com/itsmeumaima/EDA_datasets

Machine Learning Algorithm:

- start learning ml algorithm, perform linear regression on the dataset name Boston house price prediction.
<https://github.com/itsmeumaima/BostonhousePricing>

HOBBIES

- Sketching: Passionate about creating detailed and expressive artwork.
- Reading: Enjoy exploring a wide range of genres and authors.