# ABDUL WASAY

## Data Analytics | Data Science Specialist | NLP | AI Enthusiast


+92 333 6906200 | wasay3898@gmail.com | https://www.linkedin.com/in/abdulwasay000/

https://abdul-hue.github.io/insightsLab.io/ | Multan, PAK | https://github.com/Abdul-hue


## PROFILE

**Aspiring Data Scientist with an expertise in data analytics and machine learning, & deep learning.** Proficient in Python, SQL, Scikit-Learn, and TensorFlow, i'm passionate about solving complex business problems through data-driven insights and eager to contribute to innovative teams in a professional setting. I'm excited to apply my expertises to solve complex challenges and drives innovation as part of your company's success

## EDUCATION

### BS Computer Science

**NFC IET, Multan**

2020 - 2024

GPA **3.04** / 4.0

- As a CS graduate. I've actively engaged in campus life by participating in sports, coding competitions, and collaborative projects. These experiences have helped me develop strong teamwork, leadership, and problem-solving skills.

## PROJECTS

### Number Plate Recognition FYP

NFC IET, Multan

Technology to automatically detect and extract vehicle number plates from images.

- **Performance Evaluation**: Achieved a high recognition accuracy of **90%** under optimal conditions, with error handling mechanisms to address issues like poor image quality or partial obstructions.
- **Tools Used**: Flutter, Firebase, Tesseract OCR, Dart, Python.

### Fictitious Flower Shop Chatbot

In this project, I have used IBM Watson Assistance to build a user-friendly chatbot.

- I've developed a customer service chatbot aimed at improving user intend automating support processes.
- https://hive2.wordbox.intela.io/wasay3898/
- Here is the link, give it a try.

### Time Series Analysis

Developed a Time Series analysis model, implementing content-based techniques to analyze user behavior and product features.

- The project demonstrates techniques for preprocessing, visualizing, and modeling time series data, providing insights into temporal patterns and trends.
- Features Data preprocessing and cleaning Time series visualization Trend and seasonality decomposition Forecasting models (e.g., Prophet)
- Evaluating model performance using **metrics** like **accuracy, precision, recall, and F1-score.**
- **Technologies Used**: **Python, Pandas, NumPy, Matplotlib, Seaborn,Scikit-learn, Prophet.**

### Recommendation System

Developed a recommendation system to identify and predict customer preferences based on their behavior and interactions

- Key Features are data loading and preprocessing, Exploratory Data Analysis (EDA) for insights, and Content-Based recommendation techniques to analyze user behavior.
- Tools used: **Python, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn**

## SKILLS

**Programming Languages:**

Python, SQL

**Databases:**

MySQL, PostgreSQL, MongoDB, SQLAlchemy

**Data Science Libraries & Framework:**

Pandas, Numpy, SciPy, Matplotlib, Seaborn, Statsmodels, Scikit-Learn, Tensorflow, Keras, HuggingFace, Transformers, NLTK

**Data Preprocessing & Analysis:**

Data Mining, Statistical Analysis, Feature Engineering, Exploratory Data Analysis(EDA)

**Web-based Interactive Dashboard:**

Plotly Dash, PowerBI

**Web Scraping & Automation | API Development**

Selenium, BeautifulSoup, FLASK, RESTAPIs, FASTAPIs

**Tools & Platform:**

Jupyter Notebook, Git/GitHub, Microsoft Office, Amazon Lex, IBM Watson Studio

## CERTIFICATIONS

**IBM Data Science Professional Certificate**

Completed an industry-recognized certification focused on practical applications of data science from Coursera

**Machine Learning Specialization**

Developed an in-depth understanding of machine learning algorithms using Python through a course provided by Stanford & teached by Andrew ng on Coursera

**Deep Learning Specialization**

Currently deepening expertise in artificial intelligence by enrolling in the Deep Learning Specialization by Andrew Ng, focusing on neural networks, deep learning frameworks, and advanced AI concepts.

## LANGUAGES

**URDU**
Native

**ENGLISH**
Proficient

## PROJECTS

### Sentiment Analysis

This project is designed to classify the sentiment of text data into positive, negative, or neutral categories

- Built a Sentiment Analysis system using NLTK and Hugging Face Transformers to classify text sentiment accurately.
- Preprocessed text data with tokenization and cleaning techniques and utilized pre-trained transformer models for advanced natural language understanding**.**
- Conducted comprehensive **data cleaning**, **feature engineering**, and **exploratory data analysis (EDA)** to prepare the dataset and optimize model performance.
- Tools used: **Python, NLTK, HuggingFace pandas, NumPy, Transformer**.

## STRENGTHS

- **Quick Learner**
- **Detailed-Oriented**
- **Problem Solving**
- **Resilience**
- **Collaborative Mindset**
- **Time Management**