

ABDUL WASAY

AI Enthusiastic | Data Scientist | Machine Learning Engineer

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PROFILE

Aspiring Data Scientist with an expertise in Data Science 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.

EXPERIENCE

AI Intern

DevVibe

01/2025 - Present Multan, Pakistan

DevVibe uses technology to create custom software solutions using AI technologies, focusing on innovation in game development, web applications, 3D Animation, and business tools automation.

- I created two chatbot models that uses Retrieval-Augmented Generation (RAG) in LangChain and combined data from Devvibe's website and PDF resources to produce intelligent solutions that understand context.
- Currently, I am working on integrating a Voice Assistant into our Chatbot. This will enhance user interaction and make our applications more intuitive.

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.

RAG Chatbot - Website Data Integration

Designed and built Retrieval-Augmented Generation (RAG) chatbots using LangChain, integrating data from Devvibe's website.

- Utilize NLP techniques along with Transformer models and LLMs enabled us to build context-aware conversational agents that both improve user interaction and boost information retrieval efficiency.
- https://github.com/Abdul-hue/DevVibe-RAG-Based-ChatBot-

RAG Chatbot - PDF Use Case Analysis

Built a Retrieval-Augmented Generation (RAG) chatbot leveraging LangChain, NLP techniques, and LLM models.

- Utilized PDF data containing Devvibe's use cases as the knowledge base, enabling the chatbot to provide more intelligent insights and solutions tailored to real-world applications of Devvibe's.
- https://github.com/Abdul-hue/ChatPDF.

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.

Time Series Analysis

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

- Technologies Used:** **Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Prophet.**
- https://github.com/Abdul-hue/Time-Series-Analysis.

Sentiment Analysis

Built a Sentiment Analysis system using NLTK and Hugging Face Transformers to classify text sentiment accurately.

- This project is designed to classify the sentiment of text data into positive, negative, or neutral categories.
- Tools used: **Python, NLTK, HuggingFace Transformers, Pandas, NumPy.**
- https://github.com/Abdul-hue/Sentiment-Analysis.

SKILLS

Programming Languages:

Python, SQL

Databases:

MySQL, PostgreSQL, MongoDB, SQLAlchemy

Data Science Libraries & Framework:

Pandas, NumPy, SciPy, Matplotlib, Seaborn, Statsmodels, Scikit-Learn, Plotly Dash, Neural Networks TensorFlow, Keras, HuggingFace, Transformers.

Web Scraping & Automation | API Development

Selenium, BeautifulSoup, FLASK, FastAPI

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.

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 & taught by Andrew ng on Coursera

Deep Learning Specialization

I am currently improving my AI knowledge by working through Andrew Ng's Deep Learning Specialization. My expertise in neural networks and deep learning frameworks grows with advanced AI concepts while I continue to advance through the fourth course on Convolutional Neural Networks (CNNs).

LANGUAGES

ENGLISH

Proficient



URDU

Native



STRENGTHS



Quick Learner



Detailed-Oriented



Problem Solving



Resilience



Collaborative Mindset



Time Management