



Muhammad Saif Basit

Full-Stack AI Engineer/
Data Scientist

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Jeddah, Saudi Arabia

Iqama Status: Transferable

A Full-Stack AI Engineer and a Data Scientist with 2+ years of diversified experience in AI, Machine Learning, Computer Vision, Natural Language Processing and Data Science. Proficient in Python. Being a first author of a publication in 'IEEE', the world's largest technical organization, showcases my commitment to advancing the field. I enjoy taking new challenges and putting pieces together to solve complex problems to challenge my thinking capability. Eager to contribute my expertise and self-learning capabilities to a forward-thinking organization and ready to leverage cutting-edge technologies for data-driven decision-making and digital transformation.

SKILLS

AI / Machine Learning Deep Learning Data Science Natural Language Processing Computer Vision LLM
Full-stack Development Web Development Python Development Frontend Development Backend Development
Python React.js Django HTML CSS JavaScript AWS/Azure/GCP FastAPI/RESTful API Docker
Workflow Management Team Leadership Project Management Problem Solving

WORK EXPERIENCE

○ **Data Analyst**
Sealand Foodstuff Trading LLC
(A renowned UAE based Seafood Distribution Company)
Nov 2023 - Present



Sealand

Jeddah, KSA

Achievements/Tasks

I have been involved in:

- Facilitating seamless communication between the sales and purchase departments at Sealand, enhancing coordination and data exchange for more informed decision-making.
- Extracting and analyzing data from Code7 ERP to provide insights into sales performance.
- Developing and maintaining real-time data dashboards and reports using tools like Excel, Power BI and Tableau.
- Implementing data cleaning and transformation techniques to ensure data accuracy and consistency, improving the quality of analytics.

○ **Data Scientist**
Shah Nosh
(An established Catering, Trading and Food Consultancy Firm)
July 2021 - Present



Lahore, PAK

Achievements/Tasks

I have been involved in:

- Writing well-designed, efficient, and testable code.
- Creating, updating and managing relational databases, such as MySQL.
- Successfully developed an ML predictive model that accurately predicted customer traffic with a 90% confidence level, resulting in increased staff efficiency and reduced food waste by 10%.
- Conducted an extensive EDA, resulting in a 20% increase in sales during peak hours.
- Developed a real-time Looker Studio dashboard for daily sales performance, leading to a 5% increase in overall sales and a 10% reduction in decision-making time.
- Conducted an NLP sentiment analysis on 1,000+ customer feedbacks, resulting in the introduction of 10+ new menu items and a 15% increase in repeat customer visits.



Full-Stack AI Engineer

Fiverr/Upwork.

Jan 2021 - Present

Freelance

Achievements/Tasks

I have been involved in:

- Developing front-end using languages and libraries (e.g., React.js, HTML, CSS, JavaScript, XML, jQuery)
- Working with multiple back-end languages (e.g., Python, Java, C++, Node.js) and other web frameworks (Django, Flask, FastAPI)
- Working with databases (e.g., MySQL, PostgreSQL, MongoDB), cloud platforms (e.g., AWS, Azure, GCP), data visualization tools (Tableau, Power BI) and UI/UX design.
- Successful integration of AI and ML into websites.
- Web Scraping, working with Git and GitHub, MLOps, and maintaining CI/CD pipelines.
- Working with Large Language Models, Transformers and Prompt Engineering.

PUBLICATIONS

Driver Drowsiness Detection with Region-of-Interest Selection Based Spatio-Temporal Deep Convolutional-LSTM

Institute of Electrical and Electronics Engineers (IEEE)

18 Jan, 2023

[M. S. Basit, U. Ahmad, J. Ahmad, K. Ijaz and S. F. Ali, "Driver Drowsiness Detection with Region-of-Interest Selection Based Spatio-Temporal Deep Convolutional-LSTM," 2022 16th International Conference on Open Source Systems and Technologies \(ICOSST\), Lahore, Pakistan, 2022, pp. 1-6, doi: 10.1109/ICOSST57195.2022.10016825.](#)

PERSONAL PROJECTS

Potato Disease Classification using Deep Learning - Web App & Mobile App with Cloud Deployment

- Frontend (HTML, CSS, JavaScript, React.js, React Native), Cloud Deployment (GCP), Container (Docker), API (FastAPI), API Validation (Postman), Libraries (Tensorflow, Keras, NumPy, Pandas, PIL), Architecture (CNN), Techniques (Data Augmentation, Quantization, Extract Transform Load ETL)

Movies Recommender System using NLP - Web App with Cloud Deployment

- Frontend (HTML, CSS, Bootstrap, JavaScript), Backend (Node.js), Cloud Deployment (Heroku), Libraries (NumPy, Pandas, NLTK), Techniques (Sentiment Analysis, Stemming, Text Vectorization, Tokenization, Exploratory Data Analysis EDA)

Driver Drowsiness Detection using Deep Learning - Simulation & Research Paper

- Image Processing (Python, OpenCV), Visualization (Matplotlib, Seaborn), Libraries (Scikit-learn, Tensorflow, Keras, NumPy, Pandas, PIL), Architecture (ConvLSTM), Techniques (Feature Engineering, Object Detection)

Hospital Management System - Frontend & Backend Website

- Frontend (HTML, CSS, Bootstrap, JavaScript), Backend (Node.js)

Zameen.com (Clone) - Frontend Website

- Frontend (HTML, CSS, Bootstrap, JavaScript)

Arduino-based Mini CNC Plotter Machine - IoT Product

- Arduino, Software (Inkscape), GUI (GCTRL)

CERTIFICATES

- Data Science Virtual Experience Programme - **British Airways**
- Machine Learning with Python - **IBM**
- Databases and SQL for Data Science with Python - **IBM**
- Responsive Website Basics: Code with HTML, CSS, and JavaScript - **University of London**

EDUCATION

Bachelor's in Computer Science

University of Management and Technology

Pakistan