

# Ahmad Saeed

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## Technical Skills

**Languages and Databases:** Python, SQL, HTML, CSS, JavaScript, Node JS, React, AWS, Azure, GitHub, Unity, C#, Firebase

**Visualization Tools:** Power BI, Tableau and Looker

**Other Skills:** Data Science, Data Analysis, Data Modeling & Engineering, Gen-AI, Computer Vision, DevOps, Advanced Excel

## Experience

### Tesseract Technologies

Jan 2024 – Present

Data Scientist & AI/ML Engineer

Lahore, Pakistan

- **AI-Powered Document Processing:** Developed **Claustro.io**, an AI-driven platform leveraging **GPT-3.5-Turbo** to generate summaries, **MCQs, short and long questions** from user-provided PDFs. Implemented seamless **PDF/DOCX exports**, enhancing accessibility. Successfully **delivered to a Spanish client**, optimizing document analysis and educational content creation.

### ITSOLERA

Aug 2022 – Jan 2024

Data Scientist & AI/ML Engineer

Islamabad, Pakistan

- **Predictive Analytics & Data Automation:** Designed and implemented ML/DL models, increasing **forecasting accuracy by 20%** and improving operational efficiency by **15%**. Optimized **ETL pipelines**, reducing data processing time by **30%** while ensuring **high data integrity and reliability**.
- **Financial Data Insights & BI Solutions:** Developed interactive **Power BI dashboards** for real-time **financial analysis**, enabling data-driven decision-making across departments. Integrated **advanced analytics** to uncover trends, **enhance reporting**, and **drive strategic business** insights.

## Personal Projects

### 1. Chatbot with Web scraping and LLM integration

- Developed a chatbot with web scraping using **Requests and BeautifulSoup**. Proficient in **Transformers, Ngrok, Pandas, Flask, and NLP tasks** (text generation, translation, sentiment analysis, NER) using Hugging Face and Blenderbot. **Integrated and fine-tuned NLP models** for high accuracy and deployment.

### 2. Stock Market Price Prediction Model

- Analyzed stock data using **Pandas, NumPy, Matplotlib, Pytorch, and scikit-learn**. Implemented K-Nearest Neighbors (KNN) for predicting **time-series** stock prices, validated using **accuracy and RMSE metrics** against actual values.

### 3. Movie Recommender System

- **Pandas, NumPy, Tensorflow, Keras, and scikit learn** for data processing and similarity calculations. Develop custom recommender function utilizing **CountVectorizer** and **cosine similarity** to suggest **top 5 movies based on user input**.

### 4. License Plate Recognition (LPR)

- Developed a **deep learning AI-Powered based LPR** using **Python, YOLOv8, and EasyOCR**. Applied **object detection** and **optical character recognition (OCR)** techniques to achieve **high-precision real-time LPR**. Optimized model performance for **accuracy and scalability** in **real-world applications**.

## Courses & Certifications

IBM / Python for data science

Sep 2023 - Dec 2023

IBM / Machine learning with python

Jan 2024 - May 2024

IBM / Deep learning with fundamentals

May 2024 - Oct 2024

IBM / SQL & Relational Database

Aug 2020 – Nov 2020

Coursera / Essential Google Cloud Infrastructure - Foundation

Jan 2024 – April 2024

Coursera / Google Cloud Fundamental – Core Infrastructure Certificate

May 2024 – Aug 2024

## Education

Superior University

Sep 2018 – July 2022

Bachelor of Science in Information and Technology

Lahore, Pakistan