Muhammad Hussain

Ai and Machine learning Engineer

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PROFILE

Motivated Artificial Intelligence student with hands-on experience in machine learning, deep learning and data-driven product development. I've built real-world projects, including an image- processing web app ranked in Google's top results and several ML models such as an Movie Recommendation System and LSTM-based next- word predictor. I bring a strong mix of technical skill, problem solving and execution, and I'm motivated to contribute to impactful Al and data projects in a professional environment.

EXPERIENCE

Founder and Developer and SEO Expert, *Image Magic Tool* 06/2025 – 12/2025

- Built a complete image-processing web app using Vite and React with features like resizing, compression, cropping and format conversion.
- Improved Google search rankings to the Top 10 for more than ten keywords within four months. Some keywords include "photo resizer in cm and kb" (rank 4) and "resize image in cm and kb" (rank 5).

EDUCATION

Bachelors in Artificial Intelligence, *Fast National University of Computer Science* 08/2022 – Present

Final year Student of bachelors in artificial intelligence from Fast National University of Computer Science. Peshawar Pakistan

SKILLS

- Machine Learning Frameworks
- Deep learning Frameworks
- Python programming
- Advance Javascript
- Fast Api
- Data Analysis and Dashboards
- Front-End

LANGUAGES

- English
- Urdu

PROJECTS

AI-Powered Stock Market Insight System, 08/2025 – 06/2026

Python, FastAPI, JavaScript, LLMs (OpenRouter), Technical Analysis

- Built a full-stack stock analysis system that retrieves daily market price data and computes technical indicators (RSI, MACD, moving averages).
- Designed a backend pipeline that combines short-term price action with recent financial report metrics to generate AI-based market insights.

- Integrated open-source LLMs via OpenRouter to produce educational trading insights including hypothetical entry, exit, stop-loss levels, and confidence assessment.
- Implemented structured prompts and guardrails to ensure analytical outputs without providing financial advice.
- Developed an interactive UI to visualize price data, indicators, and AI-generated insights in real time.

Movie Recommendation System (Team Project) 01/2025 – 05/2025

- Developed a movie recommendation system using the TMDB 5000 dataset by applying content- based filtering with techniques such as TF-IDF, cosine similarity and feature engineering for genres, keywords, cast and director.
- Built preprocessing pipelines to clean and transform data, extract key attributes and create pickle files for fast model loading (actors, genres, directors, movies and movie list).
- Deployed the model through a Streamlit web app that allows users to search movies and receive customized recommendations.