

MAAZ HUSSAIN

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EDUCATION

B.S in Computer Science

Bahria University, Islamabad

March 2022 Ongoing

EXPERIENCE

AI Intern

Center of Excellence – Artificial Intelligence

July 2025 – August 2025 Onsite

- Performed data cleaning and annotation to prepare datasets for analysis.
- Gained practical experience with TensorFlow through hands on labs.
- Deployed a forecasting model to support future predictions.
- Designed interactive dashboards in Power BI to visualize data and aid market strategy decisions.

CERTIFICATES

- Supervised Machine Learning: Regression and Classification
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning

PROJECTS

Image Captioning System

- Implemented a CNN (Xception) + LSTM model to generate image captions.
- Preprocessed Flickr8k dataset (caption cleaning, tokenization).
- Integrated image embeddings with text for accurate caption generation.
- Evaluated performance using BLEU scores, producing human-like captions.

Movie Recommendation System

- Built a recommendation system using cosine similarity.
- Combined keywords, cast, genres, and director for analysis.
- Applied CountVectorizer and cosine similarity to identify similar movies.
- Displayed top 5 recommendations with title, genres, and cast.
- Frontend developed using Streamlit.

TECHNICAL SKILLS

Languages: Python, C++, Dart

Developer Tools: Jupyter Notebook, Google Colab, Power BI

Technologies & Frameworks: Naïve Bayes, Clustering, Classification, CNN, RNN, Data Preprocessing, Feature Engineering, PCA, Accuracy, Precision, F1 Score, Flutter

SOFT SKILLS

Problem Solving, Critical Thinking, Hardworking, Adaptability