



MUHAMMAD SHAHZAIB

JUNIOR AI/ML

CONTACT

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EDUCATION

2023 - 2027

ISLAMIA UNIVERSITY BAHAWALPUR

- Bachelor of Artificial Intelligence
- Semester 7th completed

SKILLS

Programming

- Python
- SQL (Basic)

Data Science Libraries

- Pandas
- NumPy
- Scikit-learn
- Matplotlib

Machine Learning

- TensorFlow
- PyTorch
- Keras, Deep Learning

PROFILE

Enthusiastic and self-motivated beginner Python developer currently studying Artificial Intelligence at The Islamia University of Bahawalpur. I have a solid understanding of Python basics and a keen interest in learning programming, data handling, and AI applications. Eager to grow my skills through practical experience and contribute to real-world projects in a collaborative environment.

WORK EXPERIENCE

AI/ML Intern

JULY 2025 - SEPTEMBER 2025

Intelligent Robotics Lab (IRL), NUST, Islamabad

- Developed and trained deep learning models for image, audio, and text classification tasks, gaining hands-on experience in the end-to-end machine learning lifecycle. Utilized core Python libraries, including TensorFlow, PyTorch, and Keras, to build, train, and evaluate predictive models. Contributed to the development and testing of predictive systems for diverse applications, focusing on model accuracy and performance. Collaborated in a professional research environment, enhancing communication and teamwork skills.

PROJECTS

1. Image Classification using Deep Learning

- **Objective:** Developed deep learning models (e.g., Convolutional Neural Networks) to accurately classify images across various datasets.
- **Task:** Performed Image Data Preprocessing (normalization, augmentation) and trained models from scratch or using transfer learning.
- **Result:** Created a robust system for visual pattern recognition.

2. Audio Classification using Deep Learning

- **Objective:** Engineered neural network architectures to classify different types of audio signals (e.g., speech, music, environmental sounds).
- **Task:** Applied signal processing techniques to convert raw audio into suitable representations (e.g., Spectrograms or MFCCs) for model input.
- **Result:** Built an efficient system for audio event detection and categorization.

3. Text Classification using Deep Learning

- **Objective:** Implemented Deep Learning models (e.g., Recurrent Neural Networks, Transformers) for Natural Language Processing (NLP) tasks.
- **Task:** Performed Text Data Preprocessing (tokenization, vectorization) and trained models for tasks such as sentiment analysis or topic labeling.
- **Result:** Developed a high-accuracy system for classifying and understanding textual data.

CERTIFICATION

AI for Everyone – Coursera

- Completed a foundational course by Andrew Ng that explains the basics of Artificial Intelligence, its real-world applications, and how AI is transforming industries and society. The course also covers AI strategy