

Syed Muhammad Hassan

AI Developer • Machine Learning Engineer • BS Computer Science



CONTACT

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PYTHON LIBRARIES

- NumPy
- Pandas
- Matplotlib
- BeautifulSoup
- Keras
- OpenCV
- TensorFlow
- Scikit-learn
- FastAPI

SOFT SKILLS

- Leadership
- Technical Communication

PROFESSIONAL PROFILE

Passionate and driven AI Developer with hands-on experience in machine learning, deep learning, and generative AI. Currently pursuing a BS in Computer Science at Ziauddin University. Certified in Generative AI Development through PIAIC and proficient in building end-to-end ML pipelines. Eager to contribute to innovative AI-driven solutions in a dynamic professional environment.

EDUCATION

Ziauddin University

BS Computer Science — 5th Semester | CGPA: 3.3

PIAIC – Presidential Initiative for AI & Computing

Certificate in Generative AI Development

Govt. College for Men, Nazimabad

Intermediate — Pre-Engineering | 64%

The British Grammar School, Karachi

Matriculation — Computer Science | 86%

TECHNICAL SKILLS

Languages: Python • C • C++

AI / ML: Deep Learning • ANN • CNN • NLP • Generative AI

Frameworks: TensorFlow • Keras • OpenCV • Scikit-learn • FastAPI

Data Tools: NumPy • Pandas • Matplotlib • BeautifulSoup

Productivity: Microsoft Office Suite • Git & GitHub

CERTIFICATIONS

Generative AI Development

Presidential Initiative for AI & Computing (PIAIC)

PROJECTS & ACADEMIC WORK

Machine Learning Models

- Developed and trained ANN and CNN models for classification and prediction tasks using TensorFlow & Keras.

- ▶ Problem Solving
- ▶ Team Collaboration
- ▶ Self-Directed Learning
- ▶ Analytical Thinking

- Implemented image recognition pipelines using OpenCV and convolutional neural networks.

Data Analysis & Automation

- Built web scraping and data extraction workflows using BeautifulSoup and Pandas.
- Performed data visualization and exploratory analysis using Matplotlib and Pandas.

Generative AI Applications

- Explored and implemented generative AI models as part of PIAIC coursework and portfolio, including LLM-based applications.

LANGUAGES

Urdu (Native) **English** (Professional Proficiency)