

Hammad Shahid — Data Scientist

Gujranwala, Pakistan

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Profile

Strategic and solutions-focused Data Scientist with expertise in Machine Learning, Deep Learning, Computer Vision, and Large Language Models (LLMs). Skilled in designing, developing, and deploying AI solutions from research to production, with a focus on solving complex problems through innovative architectures and data-driven insights.

Skills

Languages: Python, R, Java, PHP

Frameworks: PyTorch, TensorFlow, Scikit-learn, OpenCV, LangChain

Tools: Git, GitLab, Jupyter Notebook, Docker, AWS, Power BI

Domains: Machine Learning, Deep Learning, Computer Vision, Large Language Models (LLMs), NLP

Projects

Final Year Project

Unsupervised Video Object Segmentation

- Built an unsupervised video object segmentation system with deep learning and attention mechanisms.
- Used contrastive learning to improve feature representation and segmentation accuracy.
- Achieved competitive results on benchmark datasets and deployed a demo web interface.

LLM Project

AI-powered Voice Chatbot

- Created a Twilio + OpenAI-based voice chatbot for realistic phone conversations.
- Integrated LLMs for context-aware dialogue and Python backend for flow management.

Project

AI-powered Photo Restoration Tool

Aug 2024 – Oct 2024

- Developed a photo restoration web app to enhance, denoise, deblur, and colorize old images.
- Applied deep learning restoration models and built a user-friendly upload interface.

Project

Skin Cancer Detection Web App

- Created a Python + Dash application for skin lesion classification using ML models.
- Designed an interactive interface for image upload, prediction, and result visualization.

Education

The GIFT University

Bachelor of Data Science

Gujranwala

2021 – 2025

Aspire College

Intermediate in Pre-Engineering

Gujranwala

2019 – 2021

Activities

Oct 2023: Intro to Data Science in Python (University of Michigan)

Sep 2023: What is Data Science (IBM)

Aug 2023: Python for Data Science, AI & Development (IBM)