

# Shahzaib Shafiq

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## PROFESSIONAL SUMMARY

AI Engineer proficient in Python, PyTorch, and modern cloud tools, dedicated to building practical machine learning and NLP solutions. Top-rated freelancer on Upwork with a 100% Job Success Score. Experienced in creating end-to-end systems, from data processing to model deployment, with a focus on automation and efficiency.

## SKILLS

### Technical Skills

**Languages:** Python, C++, JavaScript, SQL

**AI & ML:** Gen-AI, Machine Learning, RAG, Fine-tuning, Embeddings, PyTorch, TensorFlow, Scikit-learn, LangChain, Hugging Face

**Tools & Cloud:** Docker, Git, Linux, AWS, GCP, Tableau, Power BI, MySQL, PostgreSQL, FAISS, Pinecone, MLflow

**Web & Others:** Flask, FastAPI, React, HTML, CSS, SEO, WordPress

**Soft Skills:** Problem Solving, Analytical Thinking

## EXPERIENCE

### Freelancer – Generative AI Engineer

2022 – Present

Upwork (Top Rated)

Remote

- Specializing in Generative AI, RAG pipelines, and LLM integration, shifting focus from legacy Web Development.
- Maintained a 100% Job Success Score across prior high-volume SEO and Web Development projects.

### Data Science Intern

1 Month

Digital Empowerment Network

Remote

- Worked on various Machine Learning models and performed Exploratory Data Analysis (EDA).

- Conducted data analytics to derive actionable insights for ongoing projects.

### NLP Intern

1 Month

Elevvo Pathways

Remote

- Built robust NLP pipelines and implemented sentiment analysis models.

- Designed and optimized preprocessing workflows for text data.

## PROJECTS

### TAVI Planning System

2025

Deep Learning, nnUNet, 3D Segmentation

- Developing an automated, clinical-grade Transcatheter Aortic Valve Implantation (TAVI) planning tool.
- Utilizing the nnUNet framework to perform precise 3D aortic annulus segmentation from CTA scans.
- Achieved 90%+ accuracy in stent sizing and segmentation tasks.

### GrantGenius

2024

AI, Grant Matching

- Developed an AI-powered platform for automated grant matching and proposal generation.
- Streamlined the process of identifying relevant grants and drafting applications.

### Speech Emotion Recognition System

2025

Deep Learning, Audio Processing

- Created a Speech Emotion Recognition System (SERS) achieving 90%+ accuracy.
- Leveraged deep learning techniques to analyze and classify vocal emotions.

## EDUCATION

### National University of Modern Languages (NUML)

2022 – Present

BS Artificial Intelligence (7th Semester, 3.5 CGPA)

Islamabad, Pakistan

### FG Public School and College

2020 – 2022

Intermediate (Pre-Engineering) – 80%

Bagh A.K

## CERTIFICATES

**Data Science Certification (1 Month - Remote)** – Covered data analysis, machine learning, and visualization.

**NLP Certification (1 Month - Remote)** – Focus on Natural Language Processing techniques and applications.