

Syed Burhan Ahmed

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AI Engineer specializing in **Generative AI**, **NLP**, and **Computer Vision**. Expert in **Python**, **PyTorch**, **YOLOv11**, and **LangChain**, with a track record of building production-ready, real-time AI systems. Proven leader and technical mentor, delivering innovative solutions across education, healthcare, and enterprise.

EXPERIENCE

AI Team Co-Lead

Global GeoSoft

Mar 2025 – Present

Lahore, Pakistan

- Lead AI project scope, technical proposals for GIS-AI applications.
- Developed and delivered AI training curriculum for startup incubator.
- Mentored teams to accelerate AI project delivery with quality.

Master Trainer – Generative AI

Arfa Karim Technology Incubator (AKTI)

Nov 2024 – Mar 2025

Lahore, Pakistan

- Conducted 60+ hours hands-on training on ML, GANs, RNNs, Transformers.
- Implemented prompt engineering and ethical AI instruction boosting robustness.

Freelance Software Engineer

Lahore Arts Council

Aug 2024 – Oct 2024

Lahore, Pakistan

- Developed reservation system servicing 500+ users monthly using ASP.NET and SQL Server.
- Automated role-based access control and email notifications, reducing manual effort by 60%.

Teaching Assistant – Digital Logic Design

University of Management and Technology

Mar 2025 – Jul 2025

Lahore, Pakistan

- Managed course content and LMS for 100+ students; graded 300+ quizzes and assignments on time.

SKILLS

Programming: Python, C/C++, Bash, MIPS Assembly, HTML/CSS/JavaScript, SQL

AI/ML Frameworks: PyTorch, TensorFlow/Keras, Scikit-learn, LangChain, LlamaIndex, Hugging Face Transformers

Libraries: NumPy, Pandas, Matplotlib, OpenCV, WordNet

Domains: NLP, Deep Learning, Generative AI, Computer Vision, Retrieval-Augmented Generation (RAG), OCR, Multimodal AI, Prompt Engineering

Web & API: Flask (REST APIs), ASP.NET (Web Forms), Gradio

Tools & Platforms: Git, GitHub, Kaggle, Hugging Face Spaces, Google Colab, VS Code, PyCharm, Visual Studio

Embedded Systems: ESP32, NFC/Fingerprint/Microphone Integration, I2C, OLED, Real-Time Voice Commands

Professional: AI Team Leadership, Project Management, Technical Mentorship, Curriculum Development, Teaching, Public Speaking

PROJECTS

RULEN – Multilingual Lecture Assistant (Flask, Whisper, LangChain)

Oct 2024 – Jul 2025

- Transcribed 100+ lectures in 99+ languages with 90%+ accuracy.
- Generated multilingual notes and automated quizzes with curriculum alignment.
- Deployed scalable dashboards for students and teachers with role-based UI.

CelebVision Face & Celebrity Recognition (PyTorch, EfficientNetV2)

Feb 2025 – Jul 2025

- Built multi-stage pipeline for face detection, gender, and celebrity recognition.
- Achieved 0.973 F1 public and 1.000 private scores via transfer learning.

Real-Time Fall Detection System (YOLOv11, Python)

Oct 2024 – Feb 2025

- Fine-tuned YOLOv11 on LE2I dataset with 95% fall detection accuracy.
- Implemented real-time video inference with bounding box visualization @ 25 FPS.

EDUCATION

University of Management and Technology (UMT)

Bachelor of Science in Artificial Intelligence, CGPA: 3.84

Nov. 2022 – Present

Lahore, Pakistan