Muhammad Umar

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Career Objective

Ambitious BSc Artificial Intelligence student with hands-on experience building LLM and computer-vision solutions. Seeking internships in AI, automation, and agentic systems to apply practical skills in RAG, LangChain, and workflow automation.

Education

FAST National University of Computer and Emerging Sciences, Islamabad — BSc in Artificial Intelligence (Aug 2022 – Present)
Cadet College Swat, Swat — FSc in Pre-Engineering (Gold Medalist) (Apr 2019 – Jun 2021)
GPA: 3.65 / 4.00

Skills

▪ Programming Languages: Python, PyTorch, TensorFlow
▪ Web Development: HTML, CSS, JavaScript, React
▪ Databases: MySQL, MongoDB
▪ Tools: Git, VS Code, Figma, OpenCV, YOLOv8, CLIP, GroundingDINO, n8n, RPA, API Integration
▪ Data Analysis and Visualization
▪ Team Collaboration & Communication
▪ Languages: English, Urdu

Experience / Internships

AI Intern, Techable 360 — On-site (Jun 2025 – Aug 2025)
▪ Designed and developed n8n automation workflows for intelligent process automation.
▪ Built scalable low-code automation solutions integrating external APIs and services.
▪ Streamlined operations via pipeline integration and workflow optimization.

AI Intern, EmpowerBits — On-site (May 2024 – Aug 2024)
▪ Developed LangChain-based LLM applications integrated with Modern Context Protocol (MCP).
▪ Contributed to Agent-to-Agent (A2A) protocol development for coordinated agent workflows.
▪ Enhanced multi-agent interaction protocols for improved automation.

Projects / Research

SurvailX — Intelligent Video Surveillance (2025) — Python, Computer Vision, Visual Prompting, CLIP
▪ Anomaly detection using pose detection and visual prompting; implemented natural-language semantic search to retrieve relevant video segments.

EchoTales — The Voice of Stories (2024) — Python, TTS, Dia Model
▪ Text-to-Speech app using the Dia model with adjustable narration speed; created interactive narration interface.

PDF Assistant using RAG (2024) — Python, LangChain, Vector DBs
▪ Built a RAG-based PDF QA assistant enabling natural-language querying of documents.

Hospital Management Website (2024) — React, Tailwind CSS, Node.js, Next.js
▪ Developed responsive hospital management system for appointments, patient records, and staff workflows.

Achievements / Extracurricular Activities

▪ Gold Medalist — Cadet College Swat (FSc)

References

Available upon request.