SYED MUSTAFA AHMED

Hyderabad, India | 9885172003 | syedmustafaahmed286@gmail.com
linkedin.com/in/syedmustafaahmed | github.com/syed177013 | syedmustafaahmedportfolio.vercel.app

PROFESSIONAL SUMMARY

Artificial Intelligence and Data Science graduate with hands-on experience building machine learning, deep learning, generative AI, RAG, computer vision, data analytics, and software applications using Python. Experienced in developing practical AI systems and automation tools, with additional professional experience in enterprise technical support. Strong foundation in Python, SQL, machine learning, PyTorch, TensorFlow, Linux, and software development, with a focus on practical AI engineering.

TECHNICAL SKILLS

AI & Machine Learning: Machine Learning, Deep Learning, Generative AI, Retrieval-Augmented Generation (RAG), Computer Vision, Model Evaluation
AI/ML Frameworks & Libraries: Python LangChain, TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy, ChromaDB
Programming: Python, SQL, Java, C++, R
Data & Development: Flask, Git, Jupyter, REST APIs, SQLite, Android, Linux
Tools & Platforms: Microsoft Intune, BMC Helix, Selenium, Qlik Sense, SSH, RDP, Apache Guacamole

SELECTED PROJECTS

Local RAG using ChromaDB for CSV Files | *Python LangChain, RAG, ChromaDB*

- Developed a local Retrieval-Augmented Generation application for querying structured CSV datasets using natural-language prompts.
- Implemented CSV processing, chunking, vector embeddings, and ChromaDB-based semantic retrieval to supply relevant context to the generation pipeline.
- Built the workflow to run locally and refined retrieval and response handling to reduce irrelevant and repetitive answers.

Facial Anti-Spoofing System | *Deep Learning, Computer Vision, PyTorch*

- Developed a deep learning-based facial anti-spoofing system for biometric liveness detection and spoof prevention.
- Built machine learning pipelines incorporating facial spoof cues and research-inspired approaches including CDCN and MAFM.
- Evaluated model performance across live and spoofed facial samples, achieving approximately 83% accuracy.

BioLocky — AI-Based Biometric File Protection System | *Python, Computer Vision, AES, CustomTkinter*

- Developed a cross-platform biometric file security application using facial and voice authentication.
- Implemented AES encryption for secure file storage and controlled access using multimodal biometric verification.
- Built a desktop interface with Windows and Linux support.

EXPERIENCE

Technical Support Associate | Tech Mahindra Ltd. Jun 2025 – Feb 2026

- Diagnosed and resolved operating system, networking, access management, and software issues using SSH, RDP, and Apache Guacamole.
- Resolved hundreds of enterprise IT incidents while maintaining a 97% customer satisfaction score.

App Development Team Lead | Google Developer Groups on Campus (GDGC), Methodist Sept 2024 – Apr 2025

- Led a team of 4 students during Android application development workshops and project activities.
- Coordinated development tasks, mentoring sessions, and hands-on technical learning initiatives.
- Delivered 2 technical seminars with a combined audience of approximately 400 students.

EDUCATION

Bachelor of Engineering in Artificial Intelligence & Data Science 2021 – 2025
Methodist College of Engineering and Technology, Hyderabad | CGPA**: 8.77 / 10**

CERTIFICATES AND CREDENTIALS

AI & Generative AI: Fundamentals of Agents — Hugging Face | Fundamentals of Generative AI — Microsoft
Data & Programming: Introduction to Microsoft Fabric — Microsoft **|** PCAP: Python Programming Essentials — Python Institute **|** Data Analytics Certification — Capgemini **|** Stratify Data Science Boot camp — IIT Bhubaneswar
Networking: CCNA v7 — Enterprise Networking, Security and Automation — Cisco

ACHIEVEMENTS

- Research Publication — ICAISC-2025: Published research on FASECURE, a deep learning-based facial anti-spoofing system for biometric liveness detection.
- Research Publication — IJARETY-2024: Published research on the role of electric vehicles in combating CO_2 emissions in the International Journal of Advanced Research in Education and Technology.
- GDGC App Development Lead: Led student development initiatives and delivered 2 technical seminars with a combined audience of approximately 400 students.