Sufyan Ali

+92 3394009733 | sufyanjatts199@gmail.com | linkedin.com/in/sufyan-ali | github.com/Sufyan-Ali1

SUMMARY

A tech enthusiast with strong hands-on experience in Machine Learning, Deep Learning (CNNs, Transformers), and Computer Vision. Skilled in Python, SQL, and modern web frameworks (Flask, MERN). Eager to build AI-driven web and desktop solutions and contribute to cutting-edge development teams.

EDUCATION

FAST NUCES   Lahore, Pakistan
Bachelor of Science in Computer Science   *Sep 2021 – June 2025*
• CGPA: 3.3 / 4.0

Government Boys College   Sanghar, Pakistan
Intermediate (Pre-Engineering)   *Jun 2019 – Jul 2021*
• Percentage: 84%

EXPERIENCE

Teaching Assistant – AI & Theory of Automata Courses   Aug 2024 – Present
FAST Nuces University   *Lahore, Pakistan*
- Supported professors by helping students with course material, clarifying concepts, and answering questions during tutorials
- Mentored students through assignments, projects, exam preparations, and facilitated concept reinforcement via discussions
- Graded quizzes, assignments, and exams, providing detailed feedback to students to enhance their learning outcomes

Volunteer, Operations Department   Dec 2022 – Jan 2023
Future Fest   *Lahore, Pakistan*
- Managed event logistics to ensure smooth operations during a large-scale tech event
- Coordinated setup and teardown of event spaces, ensuring a seamless attendee experience
- Collaborated with the operations team to support speakers, exhibitors, and attendees effectively

PROJECTS

Brain Tumor Detection using CBIR and Deep Learning   Mar 2025 – Present
Final Year Project   *Python, TensorFlow, Swin-UNETR, FAISS*
- Designed a CBIR-based system for brain tumor detection using multi-modal MRI scans (T1, T2, FLAIR, T1CE)
- Implemented Swin-UNETR for 3D tumor segmentation and integrated FAISS for efficient feature retrieval
- Achieved enhanced detection accuracy, supporting both academic research and potential clinical application

Jarvis - NLP-based Voice Assistant   Nov 2024 – Dec 2024
Natural Language Processing   *Python, NLTK, SpeechRecognition, PyAudio*
- Developed an NLP-based voice assistant capable of responding to user queries with speech output
- Implemented speech-to-text and text-to-speech functionalities using SpeechRecognition and pyttsx3
- Focused on enhancing user interaction with voice commands and context-aware responses

Complaint Management System   April 2024 – May 2024
Management Project   *C++*
- Developed a Complaint Management System to streamline issue reporting and resolution.
- Created a portal allowing faculty to file and track complaints with department-specific routing.
- Enabled managers to assign tasks, track progress, and generate analytical reports for campus directors.

SKILLS

Programming Languages: Python, C/C++, HTML+CSS, Javascript, SQL, Assembly Language
Deep Learning Frameworks: TensorFlow, PyTorch, Keras
Libraries: NumPy, Pandas, Scikit-learn, OpenCV, NLTK, Git
Frameworks: Flask
Databases: SQL Server, MySQL, MongoDB
Tools & Technologies: Git, GitHub
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Soft Skills: Problem Solving, Self-learning, Adaptability, Time Management, Team Collaboration

CERTIFICATIONS

• Dean's List Certificate   • Teaching Assistant Certificate