

SAAD IRFAN

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SUMMARY

Accomplished AI Engineer with a strong foundation in software development. A key contributor to the AI dubbing platform, echo9.ai from Stech, with demonstrated expertise in Speech-to-Text (achieving 95% accuracy in low-resource languages) and Text-to-Speech (pioneering an emotion-aware dubbing pipeline). Currently working on improving VAD (voice activity detection) for sales voice agents at Confinality. A quick learner, proven by a successful pivot from Mechanical Engineering, eager to tackle new challenges.

WORK EXPERIENCE

- AI Engineer, Confinality

Nov 2025 - Present

 - Finetuning Silero VAD to gain optimal Precision and Recall for max Sales/Call
 - Compared accuracy of different VAD and STT configurations
- Junior AI Engineer, Stech

Aug 2024 - Nov 2025

 - Achieved 95% ASR accuracy even on low-resource languages like Urdu.
 - Developed a speaker diarization system with 90% recognition accuracy.
 - Built an emotion-aware TTS system, positive feedback led to initiating the Echo9 AI dubbing platform. Built a scalable dubbing pipeline capable of handling 4 full-length movies simultaneously at 12 GB VRAM
- AI Intern, Stech

May 2024 - July 2024

 - Researched the feasibility of AI-driven dubbing workflows.
 - Built a proof of concept (POC) demonstrating automated dubbing.
 - POC validated by the company, which led to kickstarting full-scale AI dubbing development.
- Engineering Intern, CDA

May 2023 - Nov 2023

 - Supervised utility pole shifting operations on Park Road, Islamabad
 - Assisted in maintenance of HVAC and fountain systems at Pak-China Center, Islamabad

EDUCATION

- BE Mechanical Engineering

NUST

 - 3.81/4.00
- A-Levels

BeaconHouse

 - 2 A*, 1 A
- O-Levels

BeaconHouse

 - 7 A*, 1 A

KEY SKILLS

- Python
 - LLM Workflows
 - Speech-to-Text
 - Text-to-Speech
- FastAPI
 - Git
 - Docker
 - Fluent in English