

SELIN FRAJJA S

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[Portfolio](#)

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EDUCATION

Chennai Institute of Technology, Chennai

Bachelor of Engineering in Computer Science (Artificial Intelligence and Machine Learning)

CGPA: 8.7

Sep 2023 – Present

EXPERIENCE

National Institute of Technology, Trichy - Software Engineer Research Intern

Dec 2024 & May 2025

- Multi-Face AI Lip Syncing System** - Built a multi-face AI lip-syncing system enabling face-wise audio synchronization in videos using Wav2Lip, OpenCV, and FFmpeg.
- NIT Trichy Internship Portal** - Developed a full-stack internship management portal for NIT Trichy with secure backend workflows using Node.js, Express, and MongoDB.
- Multimodal Interview Chatbot** - Designed an AI-driven interview chatbot using audio, video, and text, integrating speech-to-text, emotion detection, and NLP-based confidence analysis for automated feedback.
- ISRO Project** - Worked on configuring and collaborating with researchers to improve accuracy in a multimodal project for ISRO.

Acmegrade Pvt.Ltd, Bangalore - Virtual Internship

May 2024

- AI-ML** - Gained hands-on experience in core concepts of Machine Learning, Deep Learning, and Computer Vision using Pandas and NumPy with exposure to model deployments.

PROJECTS

Craft Connect | Gemini API, Vision Transformer, MiniLM, Whisper, Pinecone Vector DB

Jan 2025

- Built an AI-enabled platform for artisans with AI-generated product descriptions, image-text matching, and recommendation search using Pinecone.

Multilingual AI Healthcare Assistant | NLP, Deep Learning (VGG-16), OpenStreetMap, MongoDB, RAG

Jan 2025

- Developed a multilingual healthcare chatbot for symptom analysis and skin disease prediction, with hospital locator support and telemedicine.

Face Recognition Attendance System | OpenCV.face_recognition, Flask, OpenPyXL, SMTP

Sept 2024

- Implemented a real-time face recognition system for attendance logging, wage calculation, and automated email alerts.

Real Time Weed Detection Robot | Raspberry Pi5, IoT, Object Detection, ROS

Jul 2024

- Built a robotic weed detection system using computer vision and deep learning, enabling real-time crop-weed differentiation and autonomous removal.

CERTIFICATIONS

- Cisco:** CCNA- Introduction to Networks.
- AICTE Eduskill:** Google AI-ML, IoT Cloud Engineering.
- NPTEL:** Parallel Computer Architecture certification - with a consolidated score of 55%.
- Coursera:** Algorithms on Strings and Graphs

ACHIEVEMENTS

- Awarded special prize in TNWise'25 Hackathon
- Offered an internship at Techdivathon'25 Hackathon (24 hours)
- Finalist in Smart Hack'24 Hackathon (48 hours)
- Participated in Google Gen AI Exchange Program and Google Charcha'24
- Runner-up in Electrothon'24

SKILLS

Programming: C++, Python, Java, JavaScript

Web: React.js, HTML, CSS

CP & DSA: 550+ Leetcode | 22 badges | Contest rating – 1600+

AI & ML: Deep Learning, NLP, Computer Vision, Generative AI, LLM Tools

Soft Skills: Communication, analytical thinking, teamwork.

Tools: Git, Ollama, React.js, Node.js, Express.js, Streamlit, PyTorch, MongoDB, Whisper, DeepFace, FFmpeg, Google Gemini API, n8n.