

Selin Frajja S

STUDENT

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EDUCATION

II YEAR

Bachelor of Engineering, Computer Science – AIML

CGPA: 8.6

Chennai Institute of Technology, Chennai

Tamil Nadu

|2023 – 2027|

EXPERIENCE

February 2025 (**completed**)

Multilingual AI Assistant Health care Platform, *Project*

- I developed an AI-powered medical assistant chatbot with telemedicine support that provides symptom analysis, preliminary diagnosis, and virtual consultation assistance.
- The system integrates NLP for understanding patient queries, Machine Learning for symptom detection, Flask for deployment, and Twilio API for telemedicine, ensuring real-time healthcare access.
- The chatbot features a user-friendly dashboard for seamless monitoring, 24/7 medical assistance, and medication reminders, making it an efficient and accessible healthcare solution.

November (2024) – January (2025) (**completed**)

NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY, *Internship*

- Currently working on an AI-based Interview Evaluating Chatbot – a true Software Project that assesses the user's fluency, vocabulary, and confidence level by asking a set of predefined questions.
- The system records user audio, analyzes these aspects using machine learning to extract speech features, detect emotions, and evaluate verbal and non-verbal cues, and provides feedback for self-improvement.
- Additionally involved myself in Integrating models for an ISRO project.

August 2024 – October 2024 (**completed**)

Real Time Weed Detection Robot, *Project*

- I developed a weed detection robot for small marginal farmers using image recognition and IoT technologies that help monitor weeds in real time around plants.
- The system comprises a Raspberry Pi 5, GPS, and refined actuators, giving it all advantages of low-cost autonomous capabilities.
- The upper end is a dashboard for easy monitoring and control. This project is an ideal example of a Development Project in the technology industry.

June 2024 – July 2024 (**completed**)

Face Recognition Attendance System, *Project*

- I developed a Face recognition-based Attendance System which captures the person and registers the in-time and out-time respectively.
- It offers efficient, real-time monitoring and eliminates manual record-keeping. This solution is appropriate for businesses looking to streamline employee attendance and wage management with ease and accuracy while also setting an Exact benchmark for attendance systems.

May 2024- June 2024 **(completed)**

Anurag University, Competition

- I have participated in various competitions, one remarkable competition was SmartHack 2k24 conducted at Anurag University, Hyderabad, where we were finalist among the competitors.
- The project was a student learning platform to help students prepare for competitive exams with practice MCQs and a performance report card for evaluation that encourages collaboration and social engagement among peers.

March 2024 – April 2024 **(completed)**

Electrothon'24, competition

- We as a team developed a machine learning project to classify tumors as Benign, Malignant, and Normal using CT scan images, enhancing diagnostic accuracy and speed.
- This innovative approach demonstrates the potential of AI in healthcare. Our work earned the Runner-Up position in Electrothon – 24, showcasing its impact and excellence. It was our kickstart Achievement on the process of exploring AI.

AREAS OF EXPERTISE

- **Programming Expertise:** Proficient in C++, Python, and Java, with a solid foundation in object-oriented programming, data handling, and algorithm design.
- **Problem-Solving Skills:** Solved over **400+ problems** on LeetCode, demonstrating strong proficiency in Data Structures and Algorithms (DSA) and optimized problem-solving.
- **Communication Abilities:** Fluent in English with effective verbal and written communication skills for diverse team collaboration.
- **AI & ML Knowledge:** Comprehensive understanding of Artificial Intelligence (AI) and Machine Learning (ML) concepts, with hands-on experience in developing intelligent systems.
- **Aptitude Strength:** Strong skills in logical reasoning, quantitative aptitude, and analytical problem-solving, enabling efficient decision-making and strategic thinking.
- **Passion for Innovation:** Deep interest in coding and creating innovative applications that solve real-world problems through analytical and computational methods.
- **DSA Expertise:** Thorough understanding of fundamental and advanced data structures and algorithms, focusing on scalability and performance optimization.

LANGUAGES

English - ● ● ● ● ●

Tamil - ● ● ● ● ●

Hindi - ● ●
