

SANJITHA R

17 F Mounspuram 4th Street Taluk Office, Dindigul
+919025001447 ◇ sanjitharaja30@gmail.com

OBJECTIVE

A passionate learner and developer aiming to strengthen my foundations in AI, software development, and innovation while contributing meaningfully to impactful projects

EDUCATION

Bachelor of Technology in Artificial Intelligence and Data Science SRM TRP Engineering College, Tiruchirappalli. CGPA upto 3rd semester :8.14	Current
HSC, Class XII St joseph matric hr sec school Percentage: 82.5	2023 - 2024
SSLC, Class X Lady of Lourdes girls hr sec school Percentage: 82	2021 - 2022

SKILLS

Java	Beginner
C++	Intermediate
Python	Intermediate
HTML	Beginner
CSS	Intermediate
Javascript	Beginner
SQL	Intermediate

PROJECTS AND EXPERIENCE

Developed a Li-Fi based secure vehicle authentication model using **Arduino UNO**, **laser diodes**, and **solar panel receivers**. Explored military, transportation, and high-security applications using Li-Fi.

Designed a **mobile-based attendance system** using on-device AI. (SIH 2025). Used **FaceNet (TF Lite)** to generate embeddings and perform offline verification. Built pipeline using **ML Kit**, **Flutter**, **SQLite**, and **Cosine Similarity**.

EXTRA-CURRICULAR ACTIVITIES

TECHUTSAV'25 – PANORAMA <i>Organized by Thiagarajar College of Engineering, Madurai</i>	March 2025
<ul style="list-style-type: none">• 1st Runner up (2 events)• Participated in TECHUTSAV'25 – PANORAMA and secured second prizes in “No Way Out” (cybersecurity-based detective event involving encryption and digital clues) and “Irungbhai” (creative, quick-thinking movie-based event), gaining experience in problem-solving, creativity, and teamwork.	
TechFlare 2k25 – Prompt Engineering Competition <i>Dhanalakshmi Srinivasan University, Tiruchirappalli</i>	August 2025
<ul style="list-style-type: none">• Winner	

- Collaborated in a two-member team to solve Generative AI prompt engineering challenges at TechFlare 2k25. Designed effective prompts to improve AI accuracy and reasoning. Gained hands-on experience in prompt structuring, teamwork, and real-world AI problem solving.

Medazrt 2025 (Li-Fi Research Presentation)

October 2025

SRM Valliammai Engineering College, Chennai

- **Second Runner-up**
- Presented a project on *Li-Fi Based Vehicle Authentication*, demonstrating encrypted optical communication and Arduino-based prototyping. Reviewed by experts during the event.