

BALAMURUGAN P

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EDUCATION

SRI SAI RAM INSTITUTE OF TECHNOLOGY

Bachelor of Engineering

Chennai, TN

SEP 2023

Major in Computer Science & Communication.

Cumulative GPA: 7.59/10.0

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems, Signals & Systems, Microprocessors & Microcontrollers.

JAWAHAR NAVODAYA VIDYALAYA

Higher Secondary Education.

Puducherry, PY

Jun 2016 - Mar 2023

WORK EXPERIENCE

Femtosoft Technologies, Chennai

UI/UX Developer Intern

Chennai, TN

Jun 2025

- Built and tested web modules using **HTML, CSS and JavaScript**.
- Gained hands-on experience in UI/UX development.

PROJECTS

DEMPLAY — A User centric video streaming platform

Apr 2024

- Developing a responsive **web application** for seamless video streaming.
- Designed an intuitive **UI/UX** ensuring smooth navigation and playback experience.
- Tech Stack: *Figma, HTML, CSS, JavaScript, Python, Django*.

Heliosync — Autonomous Solar Tracking System

Jul 2025

- Designed and developed an **autonomous solar tracking prototype** to maximize energy efficiency.
- Inspired by **NASA's Parker Solar Probe**, adapted the concept for practical terrestrial solar panel optimization.
- Tech Stack / Tools: *Pascal's Concept, LC Circuit Application, Voltage Difference Control, Worm gear*.

ACTIVITIES

NSS

Member

Chennai, TN

Sep 2024 – Present

- Actively participated in a blood donation camp as a volunteer and donor.

- Participated in 7-day NSS camp and carried out household surveys in rural villages

SYMPO

Co-Ordinator

Sep 18 2025

- Organized 2025 symposium, contributing to event planning and coordination.

- Designed and hosted a reverse-coding challenge, engaging participants in logic-based problem-solving.

ACHIEVEMENTS

- **Solvethon 4.0** (Winner) On SDG goal No.9 Project - Demplay
- **Climate Tech 2024** (Finalist) Funding up to 4lakhs Project -Heliosync.

ADDITIONAL

Technical Skills: Advance in Java, C, Python, SQL, JavaScript, HTML5, CSS3, ReactJs.

Languages: Fluent in English, Tamil.

Certifications & Training: Enhancing Soft Skills and Personality, The Joy of Computing using Python, Design Thinking -A Primer, Introduction to Internet Of Things & Linux training at **REDHAT**.