E. PRAKASHA AYYAPPAN

UG - Electrical & Electronics Engineering

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CAREER OBJECTIVE

Motivated Electrical and Electronics Engineering student with strong interests in embedded systems, power electronics, IoT, and electric vehicle technologies. Seeking opportunities to apply technical and problem-solving skills in challenging engineering roles.

EDUCATION

B.E. Electrical and Electronics Engineering 2023 – 2027
Saranathan College of Engineering Tiruchirappalli
CGPA: 8.86 (Till 6th sem)

HSC 2022 – 2023
KAP Viswanathan Higher Secondary school Tiruchirappalli
87%

SSLC 2020 – 2021
Saraswati bala mandir matriculation school Tiruchirappalli
Passed

TECHNICAL SKILLS

Programming
Python, Embedded C

Software
MATLAB, PSIM, Arduino IDE, AutoCAD, DIALux

Domains
Embedded Systems, IoT, Power Electronics, EV Technology, Electrical Machines, Battery Management systems

INTERNSHIPS

Intern 12/2025 – 01/2026
Sri Venkateswara College of Engineering Chennai
Lithium-ion Battery Technology for Electric Vehicle Applications

Intern 02/2025 – 02/2025
BSNL Tiruchirappalli
Telecom Technologies

Intern 07/2024 – 08/2024
Siemens Chennai
Chennai Metro Rail Electrification Project

PROJECTS

UroSense
Smart Automated Urine Bag Monitoring and Output Measurement System

Smart Automated Irrigation System
long range communication in rural areas using LoRa

Smart Irradiation Sensing Meter
Real-time measurement of solar irradiation

Smart Student Face and Registration Number Recognition System
An AI-powered system developed using python and opencv

Communication Device for hilly regions
LoRa based emergency communication system with navigation

CERTIFICATIONS

ELSI Basics of Embedded Systems and Robotics
e-Yantra, IIT Bombay (28/03/2025)

Circuit Simulation Onramp
MathWorks MATLAB (27/07/2025)

Itroduction to Internet of Things
NPTEL (Jul-Oct 2025)

Virtual lab for power systems
SRM institute of science and technology (02/2026)

Embedded System Design Overview
Maven Silicon (13/06/2025)

Introduction to Artificial Intelligence Basics
Wadhani Foundation (02/10/2025)

Semiconductor Devices for next generation field effect transistors (more and moore) : A Physics Perspective
NPTEL (Jan-Apr 2026)

ACHIEVEMENTS

Level 1 Participant – Project Expo 27/06/2026
Velammal College of Engineering

Second Prize – Project Expo 04/03/2026
Mookambigai College of Engineering

Second Prize – Udhayam 2K26 Project Expo 28/02/2026
KIT Institute of Technology

First Prize – Thiran 2K25 Project Expo 05/02/2026
Sri Eshwar College of Engineering

First Prize – IEEE Project Expo 23/10/2025
Saranathan College of Engineering

First Prize – Fluid Hackathon 25/04/2025
KPR Institute of Engineering and Technology

RECOGNITIONS

Secretary,IEI student chapter
Served as secretary of the IEI students chapter , coordinating technical events , workshops , student activities .

Volunteering
Bhumi-Trichy
supported the planning an execution of community outreach and volunteer activities .

Team leader
lead my team in smart india hackathon and various project presentations

WORKSHOPS

Design Thinking 10/2025
Nandha college of technology

AI-driven Advances in Electrical Engineering 08/2025
IEI

3D Printing and Lithium-ion Battery Technology 02/2025
NIT Tiruchirappalli

AI, ML and Data Science 07/2024
IISc Bangalore