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EDUCATION

2026 — 2030
B. Tech, Electronics & Communication Engineering
B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennnai, Tamil Nadu

2026 — 12th Std
Maharishi Vidya Mandir, Tiruvannamalai, Tamil Nadu (CBSE)
Percentage: 86%

2024 — 10th Std
Maharishi Vidya Mandir, Tiruvannamalai, Tamil Nadu (CBSE)
Percentage: 81%

EXPERTISE

- C, C++, Python
- Arduino & ESP32 Development
- Embedded Systems & IoT
- PCB Design (KiCad)
- Wokwi & Tinkercad Simulation
- Windows & Basic Linux

ACHIEVEMENTS

- School Sports Team Captain (2 Years)
- Kho-Kho — CBSE Cluster & CM Trophy participant

N DEVADHARSHAN

Aspiring Electronics & Robotics Engineer

Aspiring Electronics and Communication Engineering student passionate about robotics, embedded systems, IoT, PCB design, and artificial intelligence. Enjoys transforming ideas into practical hardware and software solutions through hands-on projects, with a goal of building intelligent robotic systems that solve real-world problems while continuously learning emerging technologies.

Featured Projects

Moon Rover

- Designed and built a working prototype modelled on real-world planetary rovers, engineered to traverse varied terrain including uneven and rocky roads.
- Built for the event inauguration program, formally inaugurated by the District Collector, and showcased as the flagship demonstration piece.
- Engineered rugged motor control and embedded electronics to simulate real rover mobility and navigation challenges.

School Robotics Expo | *mvm-robotics-expo.netlify.app*

- Organized and led the school's Robotics Expo as a school alumnus, mentoring and training Class 11 students to design and build hands-on robotics projects.
- Led the Moon Rover exhibit as the flagship project of the expo, guiding students through assembly, testing, and live demonstration.
- Hosted 100+ parents and students at the event, delivering live project walkthroughs and technical demonstrations.

Smart Parking System

- Built a full-stack IoT parking solution combining an ESP32 hardware controller, a Next.js web application, and a serverless Upstash Redis database for shared real-time state.
- Implemented ultrasonic (HC-SR04) slot-occupancy sensing, dynamic duration-based pricing, and automated gate/LCD control on the ESP32, which posts status to the API every 2 seconds.
- Developed a public status page for live availability and payments plus an owner dashboard for managing pricing and payment history.
- Designed a simulated test-mode payment gateway (Card & UPI) mirroring a real two-step create-order/confirm-order flow.

DeepTrck | *deeptrck.vercel.app*

- Created a productivity platform to help users organize tasks and stay focused.

Arduino & ESP32 IoT Projects

- Built cloud-connected IoT applications using ESP32, Wi-Fi, and ThingSpeak.

WhatsApp Chatbot

- Developed an automated chatbot to streamline customer communication for businesses.

Experience & Certifications

Entry-Level Robotics, IoT & AI Internship — Praya Labs, Tiruvannamalai, Tamil Nadu

| *June 2026 – July 2026*

- Assisted in prototyping robotics and IoT projects, working hands-on with embedded electronics and sensor integration.
- Gained practical exposure to AI-driven automation concepts under the guidance of senior engineers.

PCB Designing Training-cum-Internship — PCI, Coimbatore, Tamil Nadu

| *20 Jun 2026 – 20 Jul 2026*

- Learned end-to-end PCB design workflows using KiCad, including schematic capture and layout design.
- Assisted in preparing production-ready PCB layouts under supervision.

Coursera Certification — Basic Robotics

Udemy Certification — Basic Arduino

Vision

To become a Robotics Engineer specializing in autonomous systems, embedded electronics, and AI-driven robotics — contributing to innovative technologies that create real-world impact.