

NISHANTH E

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Github: github.com/nishanthEe | Portfolio : nishanth.me

SUMMARY

Electronics and Communication Engineering undergraduate with strong interest in Embedded Systems, VLSI, and Embedded Vision technologies. Skilled in digital systems, web technologies, creative design, and project execution with leadership experience in IEEE, NSS, and Yuva events. Published one research paper in IEEE Xplore. Passionate about innovation, problem-solving, and technology-driven solutions.

EDUCATION

Bachelor of Engineering (ECE) – Jeppiaar Engineering College, Chennai (Anna University)

CGPA: 7.9

2023-2027

SRKV Matric Higher Secondary School

- HSC +2 – 85.5% (Rank: 2nd)
- HSC +1 – 78.5% (Rank: 1st)

TECHNICAL SKILLS

Programming & Web: Verilog, (Python, SQL, HTML, CSS :Basics)

Tools & Software : Xilinx Vivado, ModelSim, EDA Playground, Canva, MS Excel, MS Word, MS PowerPoint, MATLAB.

Other Skills : Content Writing, Digital Media Design, Team Leadership, Coordination

PROJECTS

- **Wireless Power Transmission** (Jan 2025)
Designed a resonant inductive coupling system achieving 82% transmission efficiency at short distances.
- **Dental Appointment Management System** (Feb 2025)
Developed a doctor booking & queue system with SMS/email notifications (HTML, CSS, JavaScript).
Improved patient flow efficiency by 30% through automated scheduling.
- **Smart Chime with Digital Display** (May 2025)
Developed an Arduino-based automated school bell system. Reduced manual scheduling errors by 95%.

EXPERIENCE

Intern – NLC India Limited (NLCIL), Neyveli (Mine-II)

June 2025 | 14 Days

Exposure to telecommunication systems and networking in mining operations.

Technical Intern – ThinkSemi Infotech Pvt. Ltd.

Dec 2025 | 15 Days

SMT Engineering & Quality Checking

Hands-on experience in SMT processes, PCB inspection, and quality testing.

Digital Media Intern – Manvaasam (Remote)

June 2024 – August 2024

Designed digital creatives and managed social media campaigns.

LEADERSHIP & RESPONSIBILITY

Branding Chair & Innovation Co-Chair – Yuva (2025–Present) - Chairperson – IEEE SPS, SBJEC (2025–Present) - NSS Student Coordinator – Jeppiaar Engineering College (2023–Present) - Event Coordinator – Jeppiaar Engineering College (2023–Present)

RESEARCH & PUBLICATIONS

Published research paper in IEEE Xplore (2025):

A Comparative Performance Analysis of Classical and Gradient Boosting Machine Learning Algorithms for Breast Cancer.

ACHIEVEMENTS

- Winner – Poster Design & Non-Technical Events (2024)
- Star of Maatram Award – Recognized for outstanding contribution (2025)
- Star of Maatram Award – Honored for impactful volunteering and high-performance outcomes (2026)
- Cash Prize – RMK College Event (2024)
- Multiple Certificates – Event participation, coordination, and design

LANGUAGES

- English – Fluent
- Tamil – Native