



Aravind A S

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Education

NSS College of Engineering, Palakkad 2023 - Present
B.Tech in Electronics and Communication Engineering (4th Semester)

Experience

Intern, Asnaviranam Networks 2025 - Present
• Worked on implementing advanced **network systems and PCB designs, gaining hands-on experience in circuit designing and communication technologies.

On-the-Job Training, BSNL RTTC Neramenkara Jan 2023
• Acquired expertise in optical fiber splicing, testing, and troubleshooting, focusing on real-world network deployment scenarios.

Positions of Responsibility

Technical Coordinator, IEEE SB NSSCE	2025 - Present
Vice Chair, IEEE ComSoc NSSCE	2025 - Present
Technical Lead, IEDC NSSCE	2025 - Present
Tech Team Member, ELACSTA NSSCE	2025 - Present

Projects

6-DOF Robotic Arm
• Designed and implemented a programmable robotic arm with six degrees of freedom (DOF), utilizing Arduino and servo motors for precise movement control.

Audio Amplifier Project Using an Amplifier Module
• Engineered a compact and efficient audio amplifier to enhance low-power audio signals, incorporating amplifier modules, power supply circuits, and speaker interfaces.

Four-Legged Spider Robot Using Arduino Nano
• Developed an Arduino-powered quadruped robot, implementing custom gait algorithms to achieve realistic walking movements using servo motors.

Video Card Project Using Logic Circuits and EEPROM
• Designed and implemented a basic video card using logic circuits and EEPROM, enabling VGA signal generation for displaying images on a monitor.

Python Music Player with GUI
• Built a fully functional music player using Python (Tkinter, pygame), featuring playback controls, volume adjustment, and custom GUI elements.

8051 Programming Kit PCB Design Using KiCad
• Designed and fabricated a custom PCB for 8051 microcontroller programming, optimizing component placement and signal integrity using KiCad.

Skills

- Embedded Systems
- PCB Design (KiCad)
- Arduino Programming
- Circuit Simulation (LTSpice)
- Python Development
- Web Development (HTML, CSS, JavaScript)
- Optical Fiber Technology
- Data Science and Machine Learning

Certifications

- Machine Learning Fundamentals
- Data Analytics
- Optical Fiber Technician

% Online Presence

Online Presence

- Personal Website: aravindas.netlify.app
- GitHub Profile: github.com/aravindasgithub
- LinkedIn Profile: linkedin.com/in/aravind-a-s-353b7029a