

# Nikhil Lal Karn

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## Career Objective

A motivated second-year Electronics and Communication Engineering student with hands-on experience in MERN stack development and a growing interest in AI and data-driven technologies. Currently seeking a networking internship to deepen my understanding of computer networks, gain practical exposure to network protocols and infrastructure, and apply my technical skills in real-world networking environments.

## Education

**National Institute of Technology, Andhra Pradesh** 2023 Aug - Present  
B.Tech in Electronics and Communication Engineering

- **Coursework:** Data Structures and Algorithms, Digital Electronics, Introduction to Algorithms

## Leadership Involvement

**Executive Member, ECEA - NIT Andhra Pradesh** Sept 2024 - Present

- Facilitated hands-on projects and mentorship programs.

**Executive Member, IEEE Student Branch - NIT Andhra Pradesh** Oct 2024 - Present

- Coordinated IEEE technical events.
- Assisted in outreach programs promoting innovation in engineering.

## Projects

**Small Home Network Configuration** Apr 2025

- Simulated a coaxial cable-based home network in Cisco Packet Tracer
- Configured basic IP addressing and device communication
- **Tools Used:** Cisco Packet Tracer

## Technologies

**Languages:** C, Python, JavaScript, SQL  
**Technologies:** MERN stack, Microsoft SQL Server  
**Tools:** Visual Studio Code, Cisco Packet Tracer, Wireshark

## Professional Organizations

**Student Member, IEEE** Dec 2024 - Present

- Engaged in IEEE research discussions and networking events.

## Certifications

VLSI Design Certification NIELIT Calicut  
Fundamentals of deep learning Nvidia