

Poomachandra N Rao

✉ poornachandranrao24@gmail.com
☎ +91 9481385468
🌐 [Linkedin](#)

🎓 EDUCATION

B.E. Electronics and Communication
Grade: 8.17
N.M.A.M. Institute of Technology, Nitte
2022 – 2026

PU PCME | Grade: 82.33%
Mahatma Gandhi Memorial College, Udupi
2020– 2022

CBSE | Grade: 89.12%
BM english medium high school, parkala
2020

📜 CERTIFICATES

VLSI Digital Design - Chip Design and Verilog Programming
Infosys | Springboard | November 29, 2024

🔧 ACTIVITIES & WORKSHOPS

Participated, State level NSS Yuvajanotsava 2024
27/08/2024 - 31/08/2024 | VSKU, Bellary

Participated ,IOT workshop
NMAMIT, Nitte

Participated,3D Modelling workshop
NMAMIT, Nitte

Participated,Hair Donation Drive
NMAMIT, Nitte

🏠 CLUBS

Member, Electronics Project Club (EPC)
12/2024 – present | NMAMIT, Nitte

Media Head,NSS NMAMIT unit
08/2025 – present | NMAMIT, Nitte

Digital Head,Aura Club
08/2025 – present | NMAMIT, Nitte

Sub Core Member, Robotics Club
08/2024 – 08/2025 | NMAMIT, Nitte

🎨 HOBBIES

Photography,Editing,Yakshagana,Designing,Learning new language and Things

🌐 LANGUAGES

English,Kannada,Telugu,Japanese(Beginner),Hindi, Tulu ,Tamil(Beginner)

📋 CAREER OBJECTIVE

Aspiring Electronics and Communication engineer with a strong focus on VLSI and Embedded Systems, seeking an opportunity to leverage my knowledge and hands-on experience. With a proactive mindset, rapid learning ability and a commitment to continuous development, I aim to contribute effectively to my team and drive impactful results for my organization.

🔧 PROFESSIONAL EXPERIENCE

Intern | Experimind Labs Pvt Ltd | Atal Incubation Centre, Nitte
06/2024 - 07/2024

- Worked with SITL, an educational tool designed for higher primary students to gain practical knowledge of electronics. Took on multiple roles, including Narrator, Media Head, and Content Creator, contributing to content development, media production, and effective knowledge delivery.

📖 PUBLICATIONS & PROJECTS

Advanced Door Lock System with Facial Recognition and Remote Control:

Developed a smart door lock system using Raspberry Pi 4 with OpenCV-based facial recognition, servo motor control, and Twilio-integrated Flask web app for keyless access, SMS alerts, and remote operation.

Weather Monitoring Dashboard (College-Funded, Ongoing):

Developed an IoT-based weather monitoring dashboard using Raspberry Pi, Python (PyQt5, Flask), and cloud integration to display real-time environmental data for permanent deployment on the NITTE campus.

8--Bit Sequential Counter with 7-Segment Display (Verilog):

Designed and implemented an 8-bit sequential counter in Verilog using two 4-bit counters with multiplexed 7-segment display, including clock division and simulation-based verification.

Interactive Wedding Invitation Website (With integration of AI):

Developed a responsive wedding invitation website using HTML, CSS, and JavaScript with interactive features, 3D animated card, Firebase-based wishes section, and Google Maps integration.

🧠 SKILLS

Electronic Design Tools: - Cadence, KiCAD, LTSPICE (Beginner)

Programming: - C(Moderate), Verilog (Beginner)

Microcontrollers: Raspberrypi boards,ESP32 , 8051, Arduino Boards ,CC32200

CAD:Fusion360(Beginner)

🔧 POSITIONS OF RESPONSIBILITY

Pronite Core Member,Incridea 25

02/2025 | NMAMIT, Nitte

Accomodation Core Member,Incridea 25

02/2025 | NMAMIT, Nitte

Volunteer, First-Year Induction Program

30/07/2024 – 31/07/2024 | NMAMIT, Nitte

Media Lead, Lazzerena Event

02/2025 | Incridea 25 (National level Techno-Cultural fest) | NMAMIT, Nitte

Executive Member, ELECSA

2023 | NMAMIT, Nitte