

NARESH E G

Electronics Engineer | Embedded Systems & Hardware Testing

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PROFESSIONAL SUMMARY

Entry-level Electronics and Communication Engineer with strong fundamentals in Embedded Systems, Embedded C, Microprocessors, and Hardware Testing. Hands-on experience in GPS-based embedded projects, NI LabVIEW, DAQ systems, and hardware validation. Seeking an Embedded / Hardware Testing / Validation Trainee role.

EDUCATION

Bachelor of Engineering – Electronics and Communication Engineering,

2023 – 2027

Velammal Institute of Technology, Chennai

TECHNICAL SKILLS

Embedded & Electronics

Embedded Systems Embedded C (Basics)
Microprocessors Digital Electronics Analog Circuits
Semiconductor Devices VLSI Basics

Testing & Validation

Hardware Testing Fault Diagnosis Troubleshooting
Validation & Verification Signal Measurement

Tools

NI LabVIEW Virtual Instruments DAQ Systems

Programming

C Programming Python (Basic)

LANGUAGES

- English
- Tamil
- Telugu

CERTIFICATIONS

National Level Ideation Hackathon, Velammal Institute of Technology

Saveetha University Tech Team | Alif Muhammad Salegh College of Engineering

PROJECTS

NAVI GLOVE FOR BLIND AND DEAF USING GPS TECHNOLOGY

- Designed an embedded assistive device for navigation support.
- Integrated GPS module for real-time location tracking.
- Implemented vibration-based alert mechanisms for directional guidance.
- Applied hardware interfacing, testing, and validation techniques.

Embedded Hardware Testing using NI LabVIEW

- Developed virtual instruments using NI LabVIEW.
- Performed real-time data acquisition using DAQ systems.
- Conducted testing, measurement, and validation of electronic signals.

INTERNSHIPS / TRAINING

Smartphone & Mobile Fault Detection

– 8 Weeks

NI LabVIEW Training Program

- 4 Weeks