

NAVEEN KUMAR R

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EDUCATION

BE-EEE Expected 2026

PSNACET Dindigul

CGPA:8.0352/10

HSC 2022

MONTFORT School [CBSE] Sivaganga

Percentage:78/100

SSLC 2020

MONTFORT School [CBSE] Sivaganga

Percentage:82/100

TECHNICAL SKILLS

- Programming:** C, Java, HTML, CSS, MySQL, React.js (Basics)
- Tools:** Arduino IDE, Proteus, KiCAD/Eagle, Tinkercad
- Domains:** IoT Systems, Sensors, Digital Circuits, Problem-Solving, Front-End Web Development

PERSONAL SKILLS

- Quick learner
- Positive attitude
- Leadership ability
- Full commitment to work
- Good decision making and analytical skills

AREA OF INTERESTS

- Embedded Systems
- Verilog / Digital Logic Circuits
- IoT and Hardware Integration
- Front-End Web Development
- Microcontroller Programming

CERTIFICATIONS

- PCB Design & Soldering
- PLC Programming - Siemens
- NPTEL – Programming in Java
- NPTEL – Digital Design with Verilog

OBJECTIVES

Motivated engineering student with an interest in software development, IoT systems, and problem-solving. Seeking an IT/Software role to apply programming skills and build scalable solutions.

PROJECTS

Smart Agriculture Monitoring & Automation (ESP32 + IoT)

- ESP32 system monitoring multiple farm environmental sensors continuously.
- Automated irrigation and ventilation using threshold-based embedded logic.
- Real-time sensor readings displayed through Blynk dashboard interface.

Ammonia Detection System for Poultry Farms

- MQ-137 sensor used for accurate ammonia gas detection.
- Automatic exhaust fan activation through relay-based control system.
- SMS alerts sent instantly during unsafe ammonia levels.
- Designed to improve poultry farm ventilation and safety.

NurtureDose – Front-End Website (UI Training: ICT Academy + Infosys Funded)

- Built responsive website using HTML, CSS, and JavaScript.
- Designed clean user interface with proper layout structure.
- Implemented smooth navigation across all website sections.
- Completed as part of Infosys-funded UI development training.

INTERNSHIPS

Vasantha Advanced System, Coimbatore (Jan 7 – Feb 7)

- PCB assembly (proto & bulk), SMT operations.
- Worked on microcontroller programming, functional testing & rapid prototyping.
- Wiring harness assembly under IPC & IATF guidelines.
- Assisted in quality inspection of assembled PCBs.
- Supported debugging of faulty hardware modules.

ACHIEVEMENTS

- Treasurer – IEEE Industrial Electronics Society: Managed events
- 1st Prize – DIY Flashing Circuit (IEEE PES, 2024): Best circuit design
- 2nd Prize – Paper Presentation (Power Gale '24): Innovative technical presentation

