

NITISH D T

Electronics & Communication Engineering Student | Aspiring Tech Professional

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OBJECTIVE

Motivated Electronics & Communication Engineering student at SJMIT (VTU), passionate about technology and innovation. Eager to apply programming skills, AI knowledge, and hands-on project experience to contribute meaningfully in a dynamic, technology-driven organization.

PROJECTS

Intelligent IoT Healthcare Assistant for Alzheimer's Disease with Fall Detection Airbag (Ongoing)

- Architected an IoT-based healthcare assistant for continuous monitoring and support of Alzheimer's patients.
- Engineered a fall detection system integrated with an automatic airbag deployment mechanism to prevent injury.
- Integrated embedded systems, sensor fusion, and IoT connectivity to enable real-time alerts for caregivers.
- Enhanced safety and quality of life for elderly and cognitively impaired individuals through the system's design.

Solar-Powered Lawn Mower Robot

- Built an autonomous lawn mower robot powered by solar energy.
- Designed solar panel integration for eco-friendly, self-sustained operation without external power.
- Developed the embedded systems and electronics that drove the robot's core functionality.
- Applied renewable energy principles to demonstrate practical robotics integration.

TECHNICAL SKILLS

- **Programming Languages:** Embedded C
- **AI & Technology Tools:** ChatGPT, Claude, and other generative AI platforms
- **Core Subjects:** Electronics & Communication Engineering fundamentals
- **Soft Skills:** Leadership, Communication, Problem-solving, Teamwork

CERTIFICATIONS & ACHIEVEMENTS

- Certificate of Completion — "Bootcamp: RTL, IP Integration, and SoC Signoff", National Institute of Electronics and Information Technology (NIELIT), completed via NDU.Digital, 30 notional hours (February 2026).
- Certificate of Participation — "Foundations of Data Analytics", National Institute of Electronics and Information Technology (NIELIT), Chitradurga, in collaboration with Government Degree College Yadgir and MetaQode Technologies Pvt. Ltd., 40 notional hours (August 2026).

INTERESTS & ACTIVITIES

- Exploring Artificial Intelligence and emerging technologies
- Robotics and embedded systems development
- Participating in national youth leadership programs
- Continuous self-learning through online platforms and AI tools

EDUCATION

Bachelor of Engineering (B.E.) — Electronics & Communication Engineering

S J M Institute of Technology (SJMIT), VTU – Belgaum University | Expected: 2027

CGPA: 7.56

Pre-University Course (PUC)

Percentage: 83%

SSLC (10th Standard)

Percentage: 83%

DECLARATION

I hereby declare that all information provided above is true and correct to the best of my knowledge.

Nitish D T