



Narendhiran V

Mechanical Engineering Undergraduate
Siemens Scholar | Batch XII
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Education

Degree	Institute / Board	CGPA	Year
BE Mechanical Engg	Government College of Technology, Coimbatore	8.85 (Current)	2024-28
Higher Secondary	CSI Corley Hr Sec School, Tambaram	90%	2023
SSLC	CSI Corley Hr Sec School, Tambaram	80%	2021

Industrial Training

- **SMSCP Level-1 Mechatronics Training, Nashik** May 2026 – June 2026
Skill Development Program
 - Completed hands-on mechatronics training based on the German Dual Education System, integrating theoretical concepts with practical industrial applications.
 - Performed troubleshooting exercises using Siemens DK Test Kits and developed automation documents including Block Diagrams, SFDs, Ladder Logic, and I/O Lists.
 - Gained practical experience with five automated training stations: Feeding, Inspection, Conveyor, Operation, and Box Sorting Stations.
 - Participated in a mock SMSCP Level-1 assessment, scoring 71 marks; Level-1 Certification Examination scheduled for July 2026.

Projects

- **VIGIL – Crash Detection & Emergency Alert System** March 2026 – April 2026
Prototype Development Project
 - Developed a low-cost (₹1,373) intelligent accident detection system to reduce emergency response time through automated crash identification and alert generation.
 - Integrated MPU6050, GPS, and GSM modules with Arduino Nano to enable real-time location tracking and automatic emergency SMS transmission using a triple-sensor decision logic architecture.
 - Designed, tested, and demonstrated a fully functional prototype at Innovatex 2026, achieving zero false triggers during evaluation and showcasing a reliable solution for two-wheeler safety

Skills

CAD & Design: Siemens NX, 3D Modelling, Assembly Design, Engineering Drawings

Manufacturing & Automation: Manufacturing Processes, Industrial Automation Fundamentals, Pneumatic Systems, Mechatronics Systems, Technical Troubleshooting

Programming & Embedded Systems: Python, Arduino IDE,

Professional Skills: Technical Writing, Public Speaking, Analytical Thinking, Innovation & Prototyping

Achievements

- **Siemens Scholar (2024–2028)** – Selected among high-performing engineering students for the prestigious Siemens Scholarship Program.
- **First Prize, National-Level Lathe Competition** – Mechatron'26, CIT Coimbatore (2026).
- **Third Position, Smart India Hackathon (Intra-College Round)** – Developed an innovative engineering solution in a competitive team environment (2025).

Extracurriculars

- **NSS Volunteer** – Contributed to community service and social responsibility initiatives.
- **Best Article Award Recipient** – Intellex 2K25 College Magazine for technical and innovation-oriented writing.
- **Delivered technical presentations and seminars** on engineering and communication-related topics for student audiences.