

SABIN S

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Objective

Motivated and detail-oriented Electronics and Communication Engineering student with a strong academic record (CGPA: 8.69). Passionate about VLSI design, digital logic design, and circuit design. Skilled in embedded programming, schematic design, and PCB layout. Committed to continuous learning and eager to begin a career in the semiconductor and electronics industry.

Education

COIMBATORE INSTITUTE OF ENGINEERING AND TECHNOLOGY
BE.ELECTRONICS AND COMMUNICATION ENGINEERING
2022 - 2026 — **CGPA - 8.69**

ST.ANTONY'S MATRIC HR SEC SCHOOL

HSC
2021 - 2022 — **77.67%**

ST.ANTONY'S MATRIC HR SEC SCHOOL

SSLC
2019 - 2020 — **80.00%**

Skills

- Schematic & PCB Design Tools : EasyEDA, Xilinx ISE, Multisim, LTspice.
- Physical Design(Intro): Placement, Routing.
- Programming Languages: Verilog HDL, C, Embedded C.
- Embedded Systems: Arduino Uno, NodeMCU
- IoT Development: Sensor interfacing, data logging, cloud integration (basic)

Projects

Hybrid Sun Tracking Solar System using Arduino (Mar – May 2025)

- Designed and developed a hybrid solar tracking system using Arduino.
- Integrated photovoltaic and piezoelectric modules to harvest solar and raindrop energy.
- Improved energy collection efficiency with automated sun tracking.

Motion-Sensor Based Welcome Audio System (College Function, 2025)

- Programmed Arduino Uno with PIR sensors to detect guests and play welcome audio.
- Built a functional prototype successfully used during a college function.

Water Level Indicator (March 2024)

- Designed a water level monitoring circuit with LED alerts.
- Created schematic and PCB layout.

Certifications & Training

- PCB Design Training – Kutty Electronics (March 2024)
- Verilog HDL & Digital Design – Hands-on – Maven Silicon (Mar 2025)
- 5G/6G Technology in mmWave Communication – CIET Webinar (Oct 2023)
- National Conference on Engineering & Technology – CIET (May 2025)
- VLSI Design Training (Currently Pursuing – June 2025)