




GOWTHAM S

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CAREER OBJECTIVE

I aim to contribute meaningfully to organizational success while continuously enhancing my skills and advancing my professional growth.

EDUCATION

2026	Kongunadu College of Engineering and Technology CGPA - 8.14
2022	HSC- Government Higher Secondary School, Balasamudram 519 - 86.5%
2020	SSLC- Government Higher Secondary School, Balasamudram 396 - 79.2%

TECHNICAL EXPERTISE

Programming Languages :  Java ,  C

Frontend :  HTML,  CSS,  JavaScript

PROJECTS & CONTRIBUTION

1. Industry Explosion Detector

Description: Designed and implemented a safety system that detects gas leaks in industrial environments using Arduino IDE platform to send real-time alerts to mobile devices for immediate response.

Role: IoT Programmer – Responsible for sensor interfacing, circuit setup, and IoT alert configuration.

2. Traffic Light Controller

Description: Developed a digital traffic signal control system to manage vehicle flow using Verilog HDL. Created finite state machines to handle signal transitions for various traffic scenarios. Simulated and verified the design using ModelSim to ensure proper timing and logic.

Role: Digital Logic Designer – Designed control logic, wrote Verilog code, and conducted simulation-based testing.

CO-CURRICULAR CERTIFICATIONS

PAPER PRESENTATION

- Presented a paper on the topic “**SMART E-CARRY ROBOT**” at Selvam College of Technology, Namakkal.
- Presented a paper on the topic “**Light Intensity Controller based on IoT**” at J.J. College of Engineering and Technology, Tiruchirappalli.
- Presented a paper on the topic “**Home Automation based on IoT**” at K.S.R. College of Engineering, Tiruchengode.

MEMBERSHIP

Received a Student Forum Membership Certificate from **IETE**, recognizing participation and awareness in professional communication engineering activities. Certified member under the IETE Student Forum, promoting knowledge-sharing and innovation in electronics and telecommunication fields.



- ✓ Scan the **LinkedIn** QR code to connect with me and view my uploaded certificates.

INTERNSHIP EXPERIENCE

Undertook a 15-day internship at Yugam Innovations, focusing on Embedded Systems and gaining practical knowledge in the domain.

INDUSTRIAL VISIT

- Visited **ISRO** – Mahendragiri, Tirunelveli, where we observed the testing and integration processes of rocket propulsion systems, gaining knowledge about space technology and national satellite programs.
- Visited **Railway Station** – Podanur, Coimbatore, to understand the working of railway signaling systems, control room operations, and maintenance of electrical and electronic systems in railway networks.

WORKSHOPS ATTENDED

- Participated in a workshop on **Wearable Antenna Design** at Kongunadu College of Engineering and Technology, gaining insights into antenna applications in wearable technology.
- Took part in a workshop on **Grid Connected Photovoltaic System** at Selvam College of Technology, focusing on the integration of solar energy with the power grid.

VALUE ADDED COURSE

- Successfully completed a Value Added Course on Python at Kongunadu College of Engineering and Technology, gaining hands-on experience in basic programming.
- Participated in a Value Added Course on Java at Kongunadu College of Engineering and Technology, focusing on object-oriented programming and application development.

ONLINE COURSE

Completed an **NPTEL** Online Certification Course on Industrial Internet of Things, gaining an in-depth understanding of IIoT concepts, architecture, and applications in smart industries. The course was conducted by experts from IIT, providing both theoretical and practical insights into modern industrial automation using IoT.

INTERESTS

- **Tutoring** Physics for Class 11 and 12 students during free time, helping them understand core concepts and prepare for board exams.
- **Designing** Static Webpages using HTML, CSS, and basic JavaScript as a creative and skill-building hobby.

PERSONAL QUALITIES

- Effective communicator with a passion for teaching and mentoring.
- Self-motivated learner with a creative approach to web and IoT development.
- Good time management and ability to multitask academic and technical goals.

REFERENCE

Mr.K.SRIDHAR, Placement and training head, Kongunadu College of Engineering and Technology.

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Phone no. : 8012505001

PLACE: NAMAKKAL

DATE:

SIGNATURE
(GOWTHAM S)