# SUBASH Y

**Electronics and Communication Engineering**

## OBJECTIVE

Seeking a position in a company where I can launch my career and build a valuable skill set.

## EDUCATION

- Dr. N. G. P. Institute of Technology
  2021-2025
  CGPA 7.93

- TRINITY MATRICULATION HIGHER SECONDARY SCHOOL
  2021-89.67%

- K.M.M. MATRICULATION SCHOOL
  2019-85.4%

## PROJECTS

- "Implemented an image processing algorithm (Haar Cascade Classifier) for fire detection, analyzing video frames to identify flame patterns and trigger alerts, enhancing early fire detection capabilities for improved safety measures."
- CNN-Based Detection and Classification of Lung and Colon Cancer in Histopathological Images – 2025
  "Developed a deep learning-based lung cancer detection system using ResNet50 and DenseNet121, classifying histopathological images with high accuracy and integrating a MATLAB GUI for real-time diagnostic support.
- YouTube Clone Website - 2025
  Built a responsive YouTube inspired front-end layout replicating core UI elements such as video thumbnails, navbar, sidebar, and channel sections.
- QrCode Generator – 2025
  Built a modular PHP session class and dynamic QR generator with customizable sizing via chillerlan/php-qrcode for scalable, customizable output.
- Buffer Overflow Demonstration in C - 2026
  Demonstrated stack-based buffer overflow vulnerability in C and analyzed its impact on memory corruption and undefined behavior.

## CO-CURRICULARS

- Hands-On-Training in prototype PCB designing & Assembling SUNSHIV Electronic Solutions - 2023
- MATLAB On Ramp - 2022
- Successfully Completed NPTEL - Problem Solving Through Programming in C - 2023
- Attended National Workshop on Industrial Internet of Things -2023
- Completed Value Added Course on IoT Application Design Using LoRaWAN Technology - 2023
- Attended Workshop on Drone Technology - 2023
- Attended NCAT (National Creativity Aptitude Test) Examination – 2022
- Completed Summer Internship in Vasantha advanced systems-2024

## AREA OF INTEREST

- Software Engineering
- Full stack Development
- Cybersecurity

## EXTRACURRICULAR

- NSS Volunteer - 2021
- Initiated student outreach program for school students regarding social media - 2022
- Participated in Rotary Texcity YUVA INDIA - 2022
- Participated in Youth Leadership Summit 2023 – Coimbatore
- Won First prize in Volleyball on 15th Annual Sports Day celebration - 2023

## CONTACT

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## SKILLS

### HARD SKILLS

- Programming Languages: C, Python, PHP, MySQL
- PCB Designing & Assembly
- Microsoft Office
- Operating Systems: Linux, Windows
- Web Technologies: HTML, CSS, JavaScript

### SOFT SKILLS

- Good Communication
- Time-Conscious
- Teamwork and easily adaptable