

NISHANTHI SENTHILKUMAR

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CAREER OBJECTIVE

Dedicated and aspirational student currently pursuing a bachelor's degree in electronics and communication at M. Kumarasamy College of Engineering. demonstrates a solid academic background and a keen interest in VLSI Design, which has been reinforced by projects, coursework.

EDUCATIONAL BACKGROUND

- | | |
|--|--------------------|
| ✓ M Kumarasamy College of Engineering | 2022 - 2026 |
| Bachelor of Engineering in Electronics and Communication Engineering | |
| CGPA – 8.711 (Till 5 th Semester) | |
| ✓ Malar Matric Higher Secondary School | 2022 |
| Higher Secondary Certificate | |
| 92.8% | |
| ✓ Malar Matric Higher Secondary School | 2020 |
| Secondary School Leaving Certificate | |
| 98% | |

CERTIFICATION

- ✓ Coursera certification on 5G for Everyone (2023)
- ✓ Coursera certification on Python for data science (2023)
- ✓ Certified on N5 level in Japanese (2023)
- ✓ NPTEL certification on Cyber security and privacy (2025)

PROJECTS DONE

- ✓ **Project 1 (2023 – 2024)**
 - Title – Converter for Solar Drone
 - Objective – Design an efficient solar power converter for extended drone flight
 - Role – Designing and implementing the power converter
 - Skills Acquired – Circuit Simulation, MPPT Algorithm
 - Tools Required – Proteus Software
- ✓ **Project 2 (2024 – 2025)**

Title – Track Guardian: AI-Powered Crack Detection for Railway Safety

Objective – Develop a system for detecting railway cracks to enhance safety and maintenance

Role – Testing and Quality Controller

Skills Acquired –

Tools Required – Python and Image Processor

PAPER PUBLICATION

- ✓ Paper published on real time damages detection of building and roads using faster CNN method with drone mapping 3D images on National conference at Jai Shriram Engineering college, Tirupur. (2022)

PAPER PRESENTATION

- ✓ Got first prize at Sasurie College of Engineering (2023)
- ✓ Participated at Hindustan College of Engineering (2024)
- ✓ Participated at Kongu College of Engineering (2025)

EXTRA – CURRICULAR

- ✓ Active member of Eminence Association
- ✓ As a Volunteer in Awareness of digital Electronics
- ✓ One of the members of Consultancy projects
- ✓ Created a Newsletter for Eminence Association

TECHNICAL SKILLS

- ✓ Intermediate Level
C, C++, VLSI Design
- ✓ Basic Level
Python, Internet of Things

SOFT SKILLS

- ✓ Active Observation
- ✓ Better Coordination
- ✓ Networking
- ✓ Problem Solving

LANGUAGES

- ✓ Tamil (speak, read, write)
- ✓ English (speak, read, write)
- ✓ Japanese (speak, read, write)

PERSONAL INFORMATION

- ✓ Father's Name – Senthilkumar P
- ✓ Mother's Name – Jayamani S
- ✓ Marital Status – Unmarried