

KAMALESH J

ELECTRONICS AND COMMUNICATION ENGINEER



CONTACT



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<https://github.com/KAMALESH2034>

TECHNICAL SKILLS

- DATA STRUCTURES & ALGORITHM
- ARDUINO, NODE MCU, STM 32, RASPBERRY PI
- IoT
- MATLAB
- EMBEDDED SYSTEMS
- PCB DESIGN
- PROTEUS
- DIGITAL ELECTRONICS
- DATABASE MANAGEMENT SYSTEMS
- PYCHARM

PROGRAMMING LANGUAGES KNOWN

- C PROGRAMMING
- C++
- PYTHON
- SQL
- HTML & CSS

CAREER OBJECTIVE

To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills. To attain a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.

EDUCATION



BANNARI AMMAN INSTITUTE OF TECHNOLOGY, 2020-2024
SATHYAMANGALAM, ERODE, TN.

B.E Electronics And Communication Engineering

- Expected to graduate in 2024
- 8.7 CGPA (UP - TO 5TH SEMESTER)



ONGC PUBLIC SCHOOL (CBSE), NERAVY, 2008-2020
KARAIKAL, PUDUCHERRY.

- AISSE (10th) 2018 - Grade: 74.2%
- AISSCE (12th) 2020 - Grade: 70.2%

INTERNSHIP

- VLSI Design And Embedded IOT Programming

COMPANY NAME: TESSOLVE SEMICONDUCTOR

DURATION: 21-JUL to 11-AUG 2022 (15 days)

KEY RESPONSIBILITY:

- Intern in the specialization of VLSI Design Flow, advanced technologies in VLSI and IoT systems.
- Worked on VLSI Design flow and Real-time IoT projects integrated with sensors.

PROJECTS

- **Project 1: IoT based Smart Saline System**

Duration : APRIL - JUNE 2022

Technology : IoT in Healthcare

Description : A smart system is designed to monitor the flow rate of saline, adjust the flow rate to certain conditions, and upon completion stop the flow of the saline.

- **Project 2: Smart Oxygen Cylinder With Integrated Oxygen Concentrator**

Duration : MAR - MAY 2022

Technology : IoT in Healthcare, sensor Technology

Description : A miniature-based oxygen concentrator that is integrated with the oxygen cylinder is used to provide a continuous supply of oxygen even if the oxygen in the cylinder is exhausted.

CLUBS & SOCIETIES

- GEO Club
- IETE Student Branch Member

WORKSHOPS

- National-level workshop on "**Arduino Programming**" organized by **Pantech e-learning**(Jul 2021)
- **Microsoft Azure Fundamentals AZ-900** organized by **RPS Consultancy(Microsoft)** (Feb 2023)

AREAS OF INTEREST

- Digital Electronics
- Embedded Systems
- IoT
- Object Oriented Programming Concepts (BASICS)
- VLSI Design & Testing

PERSONAL SKILLS

- Leadership
- Creativity
- Work Ethic
- Teamwork
- Adaptability
- Good Communication
- Problem Solving

HOBBIES

- Gardening
- Sketching & Painting
- Cycling
- Listening to Music

LANGUAGES KNOWN

- THAMIZH (R, W, S)
- ENGLISH (R, W, S)

PERSONAL DATA

- D.O.B : 02 Feb 2003
- Nationality : Indian
- Father's Name : N Jeeva
- Mother's Name : J Deepa Rani

ACHIEVEMENTS

- **SMART INDIA HACKATHON - 2022** - Innovation cell(gov. of India), I led my team to the Grand Finale.
- **HackaversuMM'22-2022** - Maharishi Markandeshwar university, Qualified Finalist.
- **HACKODISHA 2.0** - NIT Rourkela, Qualified Finalist.

TECHNICAL EVENTS

- **AAKRUTI 2022** - Dassault Systemes SOLIDWORKS
- **CODATHON 2022-NIT Coding Competition**, ISTE MANIT
- **5th National level IEEE Project Competition-2021**, IEEE student branch GSSS Institute, Mysore
- **TECHEXP0'21** (Project Hackathon), IEEE Robotics & Automation Society
- **Capgemini Tech Challenge 2021 - AWS Skill**, capgemini
- **HackCoVIT 2.0 2022** (Project Hackathon), VIT Bhopal
- **HACK SUMMIT 2.0**(Idea Hackathon), SRM Institute
- **3DING IDEATHON**, BIT
- **PitchCafe 3.0** (Idea Hackathon), Ecell IIITD

PAPER PRESENTATION

- **HENOSIS 2K22** - Symposium at Dr. N.G.P. Institute of Tech
- **I-DAPT Paper Presentation(E-Summit'22)** - Ecell, IIT(BHU)
- **PAPER-N-ZA (IEEE-BIT)**, Symposium at BIT

CERTIFICATIONS

- **NPTEL** : The Joy Of Computing using Python (2022)
- **NPTEL** : Introduction to IoT (2021)
- **CISCO**: Introduction to Cybersecurity (2021)
- **UDEMY**: Qt 6 core beginners with C++(2021)

DECLARATION

I **Kamalesh J**, hereby declare that the above written particulars are true to the best of my knowledge.

PLACE : Nagapattinam



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