THIRUMALAIVASAN K N

Graduate Software Trainee

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OBJECTIVE

Enthusiastic engineering graduate with a strong commitment to digital transformation and a proven track record in leadership. Armed with a solid foundation in technical skills and a proactive approach to problem-solving, I am eager to contribute to a dynamic team. My strong desire to learn and develop, myself in leading projects, positions me well to drive innovative solutions.

EDUCATION

B.E Electronics and Instrumentation Engineering, Kumaraguru College of Technology.   Expected 2025
C.G.P.A of 8.701 as per VI semester

Higher Secondary, SRV Matriculation   2019-2021
Percentage = 94.55 %

SSLC, Christ the King Matriculation   Until 2019
Percentage = 93.2 %

SKILLS

Technical skills: Ladder Logic programming, Siemens TIA software, Simulation, Wiring, ML Model.

Soft skills: Adaptive learning, Logical reasoning, Emotional Intelligence, Team building, Networking, Documentation, Event management, Presentation.

Language: English, Tamil.

Programming Languages: C, C++

PERSONAL INTERESTS

Loves Cooking, likes to play Cricket, Listens to Music, loves to watch Movies, Volunteering.

ROLES & RESPONSIBILITIES

President, Department Association EIE.   Expected- 2025
- Experienced Team building, Documentation, Media & Marketing.
- Core team – Ignite 2024 and Part of Yugam 2024.

Chair, IE (I) Student section, KCT.   Expected- 2025
Alumni ambassador, KCT.   OCT 2023- DEC 2023
- Experienced Networking.

PROJECTS

Poultry Automation:
- Detection of Foul hen in a large farm.
- Reducing the feed cost.
- Prevention of poultry disease.
- Microcontroller based model & IoT for Data visualization.

Industrial Carbon Filters:
- Reducing the carbon dioxide in exhaust.
- CO_2 sensors with microcontroller.

Climate based Irrigation:
- Supplying the required water based on temperature and humidity.
- Efficient usage of water.

Predictive maintenance for smart water networks (in progress):
- Detection of dissolved substances using AI.
- Qualitative analysis of domestic water.

INTERNSHIP

ONGC- Cauvery Asset, Karaikal:
- Implant Trainee.
- Process control and monitoring.
- Field Instrumentation.
- Basics of SCADA, DCS.

Summer Intern, MIT- Anna University:
- Internet of Things
- Google Sheets

PAPER & PUBLICATIONS

Synthesis and characterization of ethoxy salal thiosemicarbazone ruthenium III complexes:
- Publisher: IRJET.
- Date: May 2023.

A Novel approach in water distribution system using PLC:
- Publisher: IGI.
- Submitted for Publication.

ACHIEVEMENTS

Mahatma Gandhi Merit Scholarship – 2022,2023- KCT.

Achiever award – 2023, KCT.

Best paper award – 2023, NITPY.

The Inventors Challenge 2023 – Runner, AICTE & STM.