

ROBIN VARGHESE MATHEWS

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📍 Kattiparampil Ruby Dale Puliyoor P O Chengannur, Alappuzha, kerala

Career Objective

Seeking a responsible and appropriate position to lead, one that will enable me to apply and enhance my skills to the best and also provide me scope to ascend higher, which I aspire to achieve with dedication , intelligence and excellence.

Professional Experience

December 2023 –

Cubits, Embedded System Engineer

January 2024

- Eagle/Fusion 360 based designing

Angamaly

- Soldering

- Nanopi based programming

October 2022 –

Emertxe Information Technologies

September 2023

- Advanced Embedded Systems Engineering Course

- This course is Government of India certified program, aligned with Skill India / NSDC under

- Electronics Sector Skill Council of India.

March 2022 –

Amazon, Process Associate

September 2022

Bangalore, India

December 2021 –

KSEB, Shift Assistant

March 2022

Edappon, Kerala

February 2020 –

Infopark, Electrical Supervisor

February 2021

- Electrical system in IT buildings with multiple floors/multiple consumers, which comprise of 11kVi433V transformers, Diesel Generators up to 1010kVA capacity
- Tender preparation / Billing to consumers / overview of EHT substations

Education

2015 – 2019

B.Tech, College of Engineering Chengannur

Kerala

CGPA:-6.94

2014 – 2015

12th Grade, Jawahar Navodaya vidhyalaya Chennithala

88%

Projects

Inverted Search

- An inverted search is an index data structure storing mapping from content, such as words or numbers, to its location in a database file or in a document or a set of documents.
- The purpose of storing an index is to optimize speed and performance in finding relevant documents for a search query.
- It is the most popular data structure used in document retrieval systems, used on a large scale (e.g. : search engines).

Image Steganography

The art and science of hiding information by embedding messages within other, seemingly harmless messages. Bits of unused data are replaced by bits of valuable information.

Technologies used: C language(Function Pointers, File Pointers, File I/O Operations, String

- Operations, Bitwise Operations.

Key challenges & Learnings: The use of File pointers and File operators. Byte-wise and Bitwise

- manipulation of data. The use and implementation of Makefiles.

Protection of Induction Motor

- With the help of sensors to monitor the real time values of motor.
- Gives visual indication through LED display.
- Works on the principle that when the values reach the limit it disconnects the supply using trip circuit.

Smart Parking

- shows available slots.
- automatic control of entry and exit.

Skills

C, Adv C

C++

Shell Scripting

Data Structures & Algorithm Design

System Programming: Linux Kernel
System Calls, IPC Mechanisms(PIPE, FIFO,
Shared memory)

Development environment and Tools: Vim,
Makefiles, GCC

Problem solving, Coordination, Team
Leading, Communication

MS office

Designing

Eagle/Fusion 360 software



Workshops

- Attended All India Power and Energy SSC.
- Drone making workshop at Barton Hill College , Trivandram.
- Organised an All India event ROBOTHON under IEEE.

Certificates

Certification in Autodesk • Certificate in Electrical QA/QC, system designing and drafting
MEP Design and Drafting

Languages

English

Malayalam

Tamil

Hindi

Interests

- Sports
- Arts