

AKHILA M

Embedded Software Engineer

To be an effective performer by utilizing my knowledge gained towards achieving organization vision by infusing new idea and being a strong team builder.

CONTACT

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WORK EXPERIENCE

Embedded Software Engineer

Alcodex Technologies Pvt. Ltd

18/01/2023 – 30/06/2023, Kochi

Alcodex Technologies Pvt. Ltd. is an ISO9001:2015 & 14001:2015 company accredited for design, development and sustenance of Embedded System and IOT product. Our flagship solution is "ENVITUS", an IOT based environmental monitoring solution for air, water, soil, habitat.

Roles and Responsibilities

- Worked in service project for Air Quality Monitoring System.
- Documented design requirements, architecture, Block diagram of hardware circuit.
- GSM Module integration for providing internet for IOT.
- Worked in IOT project.
- Contributed technical skill to support new product development and existing product maintenance.
- ESP32 integrated with MICS6814 sensors for sensing CO, NO2 & NH3 gases.
- Soldering

Control Engineer

Transwind Technologies Pvt. Ltd

21/01/2022 – 31/12/2022 Bangalore

Transwind Technologies Pvt. Ltd. is manufacture of Table top automatic coil winding machine, foil winding Machine, Coil winding Machine, Automatic motor coil winding machine.

Roles and Responsibilities

- Worked in Automatic Table Top Coil Winding Machine.
- Analyzed project requirements and performed technical calculations
- supporting design solutions.
- Authored design documents, verification and validation plans and other material to aid in design as well as

research and development activities.

- Integrated IOT for Automatic Winding Machine using Raspberry pi and Node RED platform.
- Learned about Delta plc and Siemens plc programs.
- Worked with Control panel design (Hardware).

Training

SMEC Lab

2021

Embedded system & Hardware Designing

EDUCATION

BTech in Applied Electronics and Instrumentation Engineering

College of Engineering Trivandrum

2018 – 2021

CGPA : 7.88

Diploma in Instrumentation Engineering

Govt. Women's Polytechnic College Kottakkal

2015 - 2018

CGPA : 8.86

PLUS TWO

M.S.M.H.S.S Kallingal Paramba

2013 – 2015

Percentage : 70

SSLC

M.S.M.H.S.S Kallingal Paramba

2012 – 2013

Percentage : 79

SKILLS

Embedded C

IOT

Embedded Linux - Commands,
Makefiles

Microcontroller & Raspberry pi

Communication Protocols: UART, I2C

Wireless Technology : GSM

PCB Design Software

INTERNSHIPS

Bosch Rexroth

Gained insight of Industrial Automation & Technologies used in industry

LANGUAGES

Malayalam (R/W/S)

Full Professional Proficiency

English (R/W/S)

Full Professional Proficiency

Tamil (S)

Full Professional Proficiency

Hindi (R/W)

Full Professional Proficiency

HOBBIES

Cooking

Dancing

Listening to music