

HARSH PATIL

+91-6351541732

harshbpatil2001@gmail.com

Linkedin

Github

WORK EXPERIENCE

BLUE STAR LTD , Silvassa (Onsite)

06 2024 – Present

Trainee Engineer (Research and Development)

Silvassa

- As a **Trainee engineer**, Hands on experience in system development and unit testing of embedded application using appropriate tools to complete the work with given timeline and well versed with conceptualization development of microcontroller based industrial product in area of real time embedded system programming in C language.
- In depth understanding of HVAC Systems Ducted , Rheem , Variable refrigerant flow (VRF) , process of Refrigerant Cycle including study of specification , Data analysis , project management , requirement gathering , integration , testing ,communication protocols , documentation and support
- Proficient in uploading Firmware in Systems and testing the Quality parameters , prepare Report and Analyzing the failure mode and produce the required change note to improve the product
- Involvement with product development life cycle including circuit design , PCB layout , Drives and maintaining documentation parts .
- Working on PLC , SCADA , HMI , Drives , Sensors for System Validation and performance testing.
- Excellent communication skills with good analytical, logical thinking and problem solving abilities.

BM Electronics Study Center , Nashik (Onsite)

01 2024 – 03 2024

Intern(Industrial Approach in Electronics)

- In Depth Understanding of Electronics Components , Identification , Testing , PCB Designing and Assembling knowledge about PLC ,Circuit design and Analog Design ability to work effectively in a team Also Familiar with Arduino Uno Microcontroller ,NodeMcuESP8266 , UART , TCP/IP , Matlab , Modbus .

TECHNICAL SKILLS

Electronics Hardware Circuitry Design (PCB), RTOS , Microprocessor and Microcontroller, Digital electronics , PLC , SCADA , HMI, Communication Protocols , HVAC Systems (Ducted , Spilt , Cessete , VRF) , HVAC Design , SAP, PLM , C language , Embedded System , Firmware Development, RS485 Communiucation , Matlab , Technical Data Analysis, 5S , Kaizen , Refrigeration Cycle , Project Management , Product Development, Analytical and problem Solving ,Prepare MIS Report , Unit Testing , Documentation , Excellent Communication Skills.

PROJECTS

3D Scanner | Arduino Uno , Stepper motor , IR Sensor , Servo motor, Ultrasonic sensor

2024

- A 3D Scanner is device that captures the three-dimensional shape of object it has wide range to captures 3D object these Scanner are Valuable tool for digitalizing the physical world.

Movable Dustbin | NodeMcuESP8266 , BO Motor , IR Sensor , Wheels , Buzzer , Jumper Wire

2023

- Movable Dustbin are primarily used to collect household or commercial waste. It can easily move from one location to another, such as homes , offices and industrial areas these easy handle through mobility.

Fire Fighting Robot | Flame Sensor , Ultrasonic Sensor , Servo motor , Water Pump , Motor Drive

2022

- Fire fighting robot are designed to assist in extinguishing fires and performing related tasks in hazardous environments. These robot are enhance safety and effectiveness of fire fighting operation..

EDUCATION

R. C. Patel Institute of Technology, Shirpur

2020 – 2024

B.Tech - Electronics and Telecommunication Engineering - CGPA - 7.90

Shirpur, Maharashtra

R. C. Patel Institute of Technology, Shirpur

2020 – 2024

B.Tech - Minor degree in Computer Engineering - Grade - A

Shirpur, Maharashtra

S.G.P College , Sakri

2019 – 2020

12th Science - 70%

Sakri, Maharashtra

S. T. Francis English Medium high school , Vapi

2017 – 2018

10th - 82.55%

Vapi, Gujarat

CERTIFICATIONS

C Programming , Matlab Course Completion , Cisco Cybersecurity , Zensar , Campus Credentials , Basics of SQL.

LANGUAGES

English , Hindi , Marathi ,Gujarati