Bharamu S K

bharamuk.1js15ec403@gmail.com

7892606885

linkedin.com/in/bharamu-kareppanavar-11b0b4146

Kengeri Bangalore 560060

I graduated from J.S.S.A.T.E, **Bengaluru**. **Experienced in Embedded Software Engineering and trained in Blended Advanced Design and Verification in Maven Silicon**. Passionate about technology and coding.

PROFESSIONAL EXPERIENCE

Senior Embedded Engineer, M.S Technology Bangalore — Jul 2019 - Dec 2022

Provides solutions and innovation for Energy Management and communication. — Bangalore, India

Achievements/Tasks:

- To Design, Develop, Implement and test the Embedded Software and Hardware.
- Strong knowledge of communication protocol **UART, I2C, RS232, RS485, SPI**
- Designed and developed the electronic zig for testing of PCB.
- **Tool Expertise: Atollic | Arduino | ESP-IDF | Code Compos Studio | Altium | Ki-cad | OrCad**.
- Implementation of **TCP/IP**, **MQTT** protocols in devices.
- Generating reports, technical manuals, and software development documentation.
- Designing a PCB.

PROFESSIONAL TRAINING

Advance Design and Verification training — May 2022 - present

-Maven Silicon Bangalore — Bangalore

Embedded Systems Trainee — Sep 2018 - May 2019

-Cranes varsity a Training Division of Cranes Software International Ltd — Bangalore

EDUCATION

Electronics and Communication Engineering. — Jul 2015 - Jun 2018

J.S.S. Academy of Technical Education Bangalore

Diploma in Electronics and Communication Engineering — Jul 2012 - May 2015

B.V.V.S Polytechnic Bagalkot

Secondary Education — Apr 2012

S.S.S.B.V.V.S Hi-School Halingali

SKILLS

Digital Electronics | Verilog | System Verilog | SVA | UVM | OOPS Concept | STA | Perl | Embedded C.

TOOLS

Questasim | Modelsim | Quartus Prime |EDA Playground | Linux.

PROJECTS

Router 1x3 Design and verification

The router accepts data packets on a single 8-bit port and routes them to one of the three output channels - channel0, channel1, and channel2.

Responsibilities:

- Architected the block-level structure for the design.
- Implemented RTL using Verilog HDL
- Verified the RTL model using the system Verilog
- Synthesized the design

Energy Meter Reading Using Wi-Fi and BLE

Designed and developed an end node to communicate with the meter using UART and then send the data to the gateway through Wi-Fi or BLE. Gateway uses 4G /2G module to communicate with head end system.

GAS and Water Meter

In this project, we collected gas and water meter data using n LC sensor or REED switch. and send data using RS485.

Smart Lock Dual Authentication

The project aims to enhance system security. We used RFID to unlock the system and 4 Digit Password for the next step authentication.

LANGUAGES

- Kannada
- English
- Hindi
- Telugu

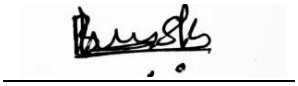
HOBBIES

Playing Cricket | Kabaddi | Travelling | Watching Movies

DECLARATION

I, hereby declare that the information furnished above is correct to the best of my knowledge

Date:06-01-2023.
Place: Bangalore



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