Siddarood Karachuri

Engineer

To obtain challenging position as an Embedded Engineer where i can utilize my skills and experience to develop innovative solution for complex engineering problems.

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WORK EXPERIENCE

Engineer
Larsen and Toubro Technology Services

11/2021 - Present   *Mysuru, Karnataka*

Projects/Tasks

- Puffin P33A and Toucan P13C : Writing a small application to validate working of device driver on hardware. To verify the hardware design. **Tools :** Cygwin, Jira, Serial downloader, TortoiseSVN, A2B Analyzer, Notepad++

PERSONAL PROJECTS

SPI Communication between STM32 and ESP8266
- Worked on simple project to analyze and understand working of SPI communication between two microcontrollers.

Smart Electrical System Design
- A Smart Electrical System refers to a convenient home setup where appliances and devices can be automatically controlled remotely from anywhere with an internet connection using a mobile or other networked device.

Mini project on Regulated Power Supply
- Regulated power supply is an embedded circuit; it converts unregulated AC into a constant DC. With the help of a rectifier, it converts AC supply into DC. Its function is to supply a stable voltage (or less often current), to a circuit or device tha t must be operated within certain power supply limits

EDUCATION

Bachelor of Engineering(VTU)
BMS Institute of Technology, Bengaluru

08/2018 - 08/2021   *7.84 CGPA*

Courses

- Electrical and Electronics Engineering

Diploma in Engineering
The Oxford Polytechnic, Bengaluru

07/2015 - 07/2018   *79.33%*

Courses

- Electrical and Electronics Engineering

S.S.L.C
Athani Vidyavardaka High School, Athani

06/2012 - 03/2013   *72.48%*

SKILLS

C Programming | Basics of Python | PCB Designing | Matlab | Microsoft Office | Linux | A2B Anayzer | Picoscope | STM32Cube Ide | Tortoise SVN | VS Code | Cygwin

TECHNICAL SKILLS

Manual testing and Hardware troubleshooting of amplifiers

Good C programming skils

Communication protocols BDP, SPI, I2C

Analytical and problem solving skills

CERTIFICATES

C Programming in Sololearn

Python for Beginers in Sololearn

MATLAB, Simulink, Stateflow Onramp

Linux Unhatched Cisco Certified

LANGUAGES

English
Professional Working Proficiency

Kannada
Full Professional Proficiency

Hindi
Professional Working Proficiency

INTERESTS

Cycling | Photography | Trekking | Reading stories