

Bhavana Satish

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PROFILE

Looking for a challenging position and aspiring to start a rewarding career in Automation and Robotics.

RELATED EXPERIENCE

- Felsomat India Pvt Ltd: Intern** **Aug 2018 – Mar 2019**
Planned and established sequence of operations to automatically fabricate and assemble parts or products to promote efficient utilization. Integrated software and hardware components using computer, microprocessor, or control architecture to perform engineering tasks.
- Rail Wheel Factory, Bengaluru, India: Intern** **Jan 2015 – Feb 2015**
Surveyed the rail wheel and axle manufacturing process. Studied the working of the Arc Furnace and EOT Cranes. Examined the power system components in the Main Receiving Station.

EDUCATION

- The National Institute of Engineering, Mysuru, India** **Aug 2019**
Master of Technology in Industrial Automation and Robotics
- Sai Vidya Institute of Technology, Bengaluru, India** **July 2016**
Bachelor of Engineering in Electrical and Electronics

TECHNICAL SKILLS

Programming languages: Python, Basics of C and C++

Tools: AutoCAD Electrical, MATLAB, MS Office, EPLAN Electrical

Others: PLC programming, Robotics programming, Basics of Machine Learning and Data Exploration

PROJECTS

- Software and Electrical Design of Gantry Automation System** **Aug 2018 – Mar 2019**
Provided a gantry automation solution to the compressor housing manufacturing line by implementing FANUC PMC system. Various part models are manufactured as per customer requirements by designing the manufacturing line for gantry automation. Electrical circuit is designed as per customer specification and automation solution is provided through PLC-CNC programming logic and the line is tested for various part models.
- Interfacing the Induction Cook-top and Touch Panel to the Smart Cooking Machine** **Feb 2018 – May 2018**
Provided solution to an automated cooking machine that could cater multiple dishes' cooking options at ease of touch. This machine is a completely automated system. Integrated various devices like induction cooktop, containers for storing ingredients, a cooking vessel and hardware components like microcontroller, relay circuits, driver circuits, SMPS and DC motors for the project.

RESEARCH EXPERIENCE

- HHV Solar Technologies: Engineering Researcher** **Jan 2016 – Apr 2016**
Designed device which intelligently detects voltage rating of load connected and communicates with module such that module output and battery rating are synchronized. Fabricated DC-DC Buck Boost converter to match module and battery voltage rating. Monitored switching of MOSFET and battery charging. Unit works like a universal matching component for any system and within a system between any combination of solar modules & batteries.

PUBLICATION

Published "Universal Battery Module Synchronizer" in International Journal of Latest Research in Engineering and Technology, Aug 2016 | <https://bit.ly/2L2qIIw>