Vishwas Navada B

Hardware Design Engineer

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Bangalore

vishwasnavada.github.io

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github.com/vishwasnavada

Full stack hardware engineer who can build a product from scratch to solve real-world problems. I love building stuff with electronics which requires hardware, programming and product designing skills. For further details about my work, please visit: https://vishwasnavada.github.io

WORK EXPERIENCE

Research Assistant

Robert Bosch Centre For Cyber-Physical Systems, IISc, Bangalore ♂

04/2018 - Present

Bengaluru

Inter Disciplinary Department of IISc working on recent and upcoming technologies.

- Achievements/Tasks
- Built UWB beacon systems for Autonomous Navigation of Drones.
- Working on autonomous charging pads for drones.
- Designing Actuation and control of SMA based soft grippers.

Embedded Systems Design Engineer Openwater.in, IISc, Bengaluru

03/2017 - 04/2018

Bengaluru

A clean tech spin-off startup from Flexible Electronics Lab of Indian Institute of Science. Bengaluru.

- Achievements/Tasks
- Worked on the design and development of Electronic systems for water filtration unit
- Designed customized power supply to drive the whole system
- Designed and tested wireless water flow meters

EDUCATION

Bachelor of Engineering in Electronics and Instrumentation

Bangalore Institute of Technology (VTU), Bengaluru

08/2013 - 06/2017

71.35

- Courses
- Analog Electronics,
 Digital Electronics,
 Process
 Instrumentation,
 Robotics and Control
- Final Year Project-Simultaneous localization and mapping using a Kinect in an indoor environment

XII

Viveka Pre-University College, Kota, Udupi

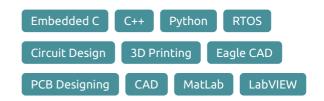
06/2011 - 05/2013

89.50

Courses

 Physics, Chemistry, Maths, Electronics

SKILLS



PERSONAL PROJECTS

IEncode Intelligent Encoder for Industrial Motors (08/2018 – 09/2018) ☑

 Predictive maintenance of Industrial motors using Infineon's high precision 3D magnetic sensor TLE-493D

SewerSway (09/2018 – Present) 🗗

 Predictive maintenance of manholes and water systems using IoT and sensors

DriX (10/2016 - Present) 5

Advanced Driver Assistance System

AgroSquad, Umwelt, TicTacToe Robot, UAVs (01/2016 – 04/2018) ♂

ACHIEVEMENTS

Hardware Hackathons (04/2015 – Present)

1st @ Reimagine Waste, IISc, 1st @ Infineon hackathon, 1st@ ABB Makeathon, 1st@ CeBIT IoT Hackathon, 3rd @ MediaTek Global IoT challenge, Best Geek Group @ Mercedes Benz Hack.Bangalore

Robo Racing (01/2016 - 05/2016)

1st @ Pravega, IISc, Aathmatrisha, PESU, NMIT fests.

Wrote an article about LoRa in Devopedia.org (06/2018 – 06/2018)

www.devopedia.org/lora

Ouizzes and other competitions (05/2016 - 06/2017)

2nd @ BrainBox Quizzing, 2nd @TCS Tech Bytes, 1st@ Wright Brothers, Semifinalist International Ericsson Awards

INTERESTS

Analog Circuits EDA Product Design

Robotics Mixed Signal Design

Embedded Systems