S /B Sanskar Biswal

STUDENT | ML and FIRMWARE DEVELOPER |

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ABOUT ME

*I am an **Embedded Systems** and **ML** developer. I like to read and explore new stuff, meet people and collaborate on projects.*

I am an innovative and result driven person. I take great passion and interest in the domain of Internet of Things (**IoT**). I avidly follow the various forums and DIY projects in the community looking for inspirations, to learn to design better solutions.

Skills

- 7 / 10 — (ML | AI | DL | NN) Python
- 8 / 10 — IoT Sensor Networks
- 9 / 10 — Embedded System Design
- 10 / 10 — Web Design (HTML\CSS\JS\Flask)
- 4/10 — Cadence (VLSI)

Education

B.Tech (Electronics and Communication)
Vellore Institute of Technology, Vellore
2016 – 2020 (CGPA – 8.19 {6th semester})

HSC (12th Grade – Karnataka PU)
Deeksha Centre for Learning PU College
2014 – 2016 (Score – 88 %)

SSC (10th Grade – CBSE)
The Oxford Senior Secondary School
2002 – 2014 (CGPA – 9.6)

EXPERIENCE

Intern

Robert Bosch Gmbh / Bangalore / June 2018 – July 2018

Develop Machine Learning models to analyze and improve inferences from vehicular emissions.

- Python (Regression Models and Machine Learning Application)

Intern

Smartbus Technologies / Work-from-home / November 2018 – January 2019

Apply concept of Network Attached Storage (NAS) to develop an entertainment system on LAN for 30 users.

- Raspberry Pi (Python – VLC Player)

Projects

IoT and Embedded System

The system is designed to interface with multiple sensors; the functioning is controlled via firmware code. The aim is to simplify the creation of IoT networks by providing an all-purpose hardware, controlled by software.

- RF communication method is pre-defined on the IoT Socket
- Custom design controls the limited uController ports between sensor and RF unit.