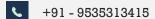
# S/B Sanskar Biswal

STUDENT | ML and FIRMWARE DEVELOPER



sanskarbiswal@gmail.com

Bangalore/India

https://linkedin.com/in/sanskar-biswal-80804367/

% https://github.com/sanskarbiswal

# 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 {6<sup>th</sup> semester})

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

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

## 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.

## 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.