CURRICULUM VITAE

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I am a student currently studying Electronics and Communication Engineering (B.Tech) at VIT, Vellore and presently in my 7th semester. I believe in being efficient in my work and adhere to any time-constrains for projects when needed. I see myself as working well in a team-setup and strive to make maximum contribution.

Career Objective

I am interested to work on frontier domains in the field of **Embedded Electronics and IoT devices**. I take keen interest in **Machine Learning and Deep Learning**. I have worked on several projects with this in mind and thus have gained a lot of practical experience in this process. I believe the use of ML&DL in IoT and Embedded System design can not only expedite the process of development, but also improve the application and feasibility from the consumer point of view.

Educational Qualification

Examination	Institution	Board / University	Year	Score
B Tech (Electronics & Communication)	VIT University, Vellore	VIT University, Vellore	2016- continuing (7th Semester)	8.19
Senior Secondary (PCMC)	Deeksha Centre For Learning PU College, Bangalore	Karnataka, PU	2014-2016	88%
Secondary School	Oxford Senior Secondary School, Bangalore	CBSE	2002- 2014	9.6

Skills

- Programming:
  - C/C++,
  - HTML/CSS/JavaScript
  - Python, Flask
- Electronics:
  - PCB Design, Autodesk Eagle, Arduino Development, Raspberry pi
  - Embedded System Design, Verilog HDL, AVR Assembly

Work Experience:

- IETE- VIT- Core Committee Member at Institution of Electronics and Telecommunication Engineers (IETE-ISF) chapter since Jan 2016 and **Projects Lead** since March 2018
- T.A.G Club- VIT- **Director of Projects** at Technology and Gamming Club since Jan 2018

Certifications: (source: www.coursera.com)

- **Neural Network and Deep Learning**
- **Emerging Trends in IoT and Cloud Technologies**
- **Machine Learning Applications and Algorithms**

Internship:

- **Bosch Ltd.** - Machine Learning Approach to Engine-Dyno Data for Better Prediction of Emission Output Analysis (June 4th – July 3rd 2018)
- **Smart Bus Technologies Ltd. -** Development of an in-house entertainment system on Raspberry-Pi platform (November 2018 – January 2019) based on Network Attached Storage (NAS)

Projects:

- **Ultrasound based 3D region Plotter**: https://www.instructables.com/id/Ultrasonic-3D-Maps-With-Python-and-Arduino/
- **IoT Embedded System:**
  - Provides a single board unit to connect a variety of sensors
  - RF communication is preconfigured to make operation plug-n-play with respect to differing sensor inputs
  - The system is able to provide a software driven approach to configure IoT devices.
  - https://github.com/sanskarbiswal/IoT_Connect
- **hyperNET:**
  - A basic social network platform developed using Flask
  - Supports user database and posts database updatability
  - https://github.com/sanskarbiswal/hyperNET
- **Smile Detection using OpenCV**
  - Haar Cascades of OpenCV used with Python (https://github.com/sanskarbiswal/OpenCV_Smile-Detection)

Extracurricular:

- Writing article on technology projects as freelancer at www.freelancer.com
- Web Developer and Sensors and Embedded Systems Designer at School of Electrical Engineering(SELECT), VIT University, Vellore

Relevant Links to Work Samples:

- GitHub: https://github.com/sanskarbiswal
- LinkedIn: https://www.linkedin.com/in/sanskar-biswal-80804367/
- Instructables: https://www.instructables.com/member/SanskarBiswal%20Auth/