

SAMBHAV JAIN

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OBJECTIVE:

I am third year, B.Tech student at School Electronics and Communication Engineering at VIT Institute of Technology, Chennai. With an approach of working in multidisciplinary fields, my areas of interest primarily revolve around 1) Wearable Technology 2) Augmentation of Human senses and 3) Internet of Things. I am interested in Embedded systems which forges new connection with Human senses and information using

EDUCATION:

B.Tech , Electronics & Communication Engineering 2015–2019
VIT Institute of Technology, Chennai, India
CGPA: 8.25

Class XII 2014
Shri Anand Jain Vidyalaya MHSS, Chennai, India
Marks: 94.5%

WORK EXPERIENCE:

Organizer and Maker Jun 2016-Present
IoT Geeks Community, Chennai

- 7500+ Members Non-Profit Community.
- Co-organized 7+ workshops and 2 meetups relating to IoT and applications.
- Interacting with students and people from Industries to understand the problems and challenges faced in designing and implementing IoT related Products.

Core Member
Chennai Makerspace

- Collaborated with IoT Geeks Community.
- Helped to set up a Makerspace in Chennai.
- Encouraging the Maker Centric culture.

SKILLS

- Rapid Prototyping
- 3D Printers
- Organizing
- Hardware

Embedded Systems
AVR MCU, Raspberry Pi, Beagle Bone, ARM Cortex M0 Arduino, ESP modules and other DIY modules.

Other hardware

Microsoft Kinect, Leap Motion, Altera (FPGA)

- **Sensors Interfacing**
- **Software** Matlab, Keil Vision, Processing IDE,
- **Programming** C, C++,Python

ACHIEVEMENTS

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| Maker Summit, IIT-Madras
Received 1 st Prize for the Project <u>Transmedia Storytelling</u> . | Jan 2016 |
| Featured in Deccan Chronicle (Newspaper)
Small article about our team project <u>Transmedia Storytelling</u> . | Jan 2016 |
| Electric Make-a-thon, VITC Online Portal
Received 3 rd Prize for the building a <u>Smart Tooth Brush Alarm</u> and was applauded for "crazy idea" to integrate Tooth Brush with Alarm. | Mar 2016 |
| IoT Hackathon, SSN College of Engineering, Chennai
Awarded 2 nd Prize for building a <u>Smart Mining Helmet</u> Prototype within time constraint of 20 hours. | Sep 2016 |
| VITCC Makeathon 2.0, VIT University, Chennai
Awarded 1 st Prize for building and improving the Smart Mining Helmet to <u>Smart Mining Jacket</u> with new haptic visualization feature embed on the jacket. | Oct 2016 |
| Accessible Summit, IIT-Madras, Chennai
Presented our Proof of Concept <u>MODUL-i</u> , A Modular Disability Device designed for people with Multiple Disability giving them customizable modules. | Jan 2017 |
| IoT Challenge, NIIT Trichy
Awarded 2 nd Prize for presenting <u>Smart Industrial safety wearable</u> , which was a updated version of Smart Mining jacket with a better design and electronics. | Mar 2017 |

PROJECTS & RESEARCH STUDIES

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- Transmedia Storytelling
 - MODUL-i
 - Detection of Arthritis in knees using Electret Microphone.
 - Smart Industrial Safety Device.
 - Wearable Haptic Feedback system using Sensory Substitution principle

AREAS OF INTEREST

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- Wearable Computing
 - Internet of Things
 - Human augmentation of senses
 - Human Computer Interaction
 - Sensor Interfacing.