

## EDUCATION

Master of Professional Studies [2014]

Interactive Telecommunications Program (ITP), NYU

Bachelor of Engineering [2011]

Electronics & Telecommunications, University of Pune

## WORK EXPERIENCE

Associate Electrical Engineer, Human Condition Safety Inc, NY [Oct 2015 – Present]

Working in R&D to develop new safety products using IOT technologies. Working closely with the Creative and Product Dev team, to design hardware and firmware for variety of projects based on wireless devices (Bluetooth/WiFi/Cellular), digital/analog sensors and wearables.

Post Doc Research Fellow, ITP NYU [Sept 2014 – Sept 2015]

Developed projects using emerging technologies- 3D printing and motion capture with open source platforms. Developed ITP class websites. Conducted help sessions and office hours to assist students with electronic circuits, coding and digital fabrication

Prototyping Lab Guardian, NYU Entrepreneurs Lab [Oct 2014 – May 2015]

Provided trainings to NYU grad and undergrad students on using prototyping tools- Laser cutter, 3D printer and Arduino. Conducted workshops on physical computing and front end web development

IT Assistant, Steinhardt IT, NYU [June 2013- Aug 2014]

Provided technical (AV, software & hardware) assistance to Steinhardt faculty and students.

Intern, Microsoft Research Lab [Fall 2013]

Developed an application prototype for a Microsoft API

Student researcher, ITP NYU [Summer 2013]

Researched resources and tools for the ITP class

“Biomechanics for interactive design”

(Topics: Motion capture, Health & fitness monitoring, EMG)

**AWARDS**

Departmental fellowship (2012-14), Tisch School of Arts, NYU

Young Innovators Award Winner, ITU Telecom World 2011, Geneva

**COMPUTER SKILLS**

Programming languages: C, Embedded C, C++, PHP, HTML/CSS, Processing

Elementary level: Python, Node.js

Applications: Eagle (PCB design), Unity3D, VectorWorks (CAD), MasterCAM, Adobe Creative Suite, MAX/MSP

**PHYSICAL COMPUTING SKILLS**

Vast experience with AVR microcontrollers, Arduino, motors, sensors, circuit and layout design, wireless devices and IOT platforms and general electronics

**FABRICATION SKILLS**

Experience using CNC milling machine, Laser cutter, 3D printers and general power tools

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