

## Worked At()

- Arduino India (Oct'13-Dec'14)  
Interaction Designer and Creative Technologist handling Arduino support issues worldwide, teaching prototyping with electronics to diverse audiences and spreading Maker culture
- MediaLab Amsterdam (Oct'12-Aug'13)  
Designed and executed an urban intervention to transform a vandalized public building into an interactive open-air exhibition space for displaying student projects  
Prototyped an interactive public installation for the city of Amsterdam providing historical nuggets about Amsterdam by blending digital archives with physical maps
- Bartle Bogle Hegarty India (Sep'12)  
Prototyped an Arduino-based breathalyzer streaming to an Internet feed and explored music generation based on motion data from Nintendo Wiimote
- Google Summer of Code 2012 (May'12-Aug '12)  
Extending accessibility provided by TeclaShield switch from controlling wheelchairs to controlling desktops and Android devices  
<https://github.com/ankitdaf/TeclaAccess>
- Google Summer of Code 2011 (May '11-Aug '11)  
Added tests, examples, features and documentation to the Boost.Numpy C++ libraries  
The Boost.Numpy libraries allow easy programming Python style in C++  
<https://github.com/ndarray/Boost.NumPy>
- CISCO Systems (India) Pvt. Ltd, Bangalore (May '11-Jul '11)  
Developed Vizker utility to visualize Linux kernel trace data using Matplotlib in Python

## Created()

- TinyBoard (Jan '15)  
An ATTiny85 based development board with low cost and small form factor for use in installations
- OriOrb (Oct '14)  
An orientation sensitive light orb that lights up with a unique color for every unique spatial orientation
- Connected Desk Calendar (May '14)  
A web enabled desk calendar to keep track of schedules
- Thought for a Penny (Feb '14)  
A piggy bank that shares chunks of wisdom every time you save
- BrailleType (Oct '11)  
Android Braille keyboard to aid the visually challenged

## Collaborated On()

- Interactive Music Installation, Bangalore (Nov '14)  
Made an interactive installation with artists to allow the audience to trigger and modify aspects of a musical performance using touch and proximity based interactions
- Quiet-Pleasure at Unbox Labs, NID Ahmedabad (Mar '14)  
Prototyped a mobile nap pod and interactive object (silent loudspeaker) to create awareness about the effects of noise pollution on health
- MIT Media Labs India Initiative Design & Innovation Workshop, Mumbai (Jan '14)  
Mentored the "Future of Banking" track

## Studied()

- Bachelor of Technology in Electronics from V.J.T.I. , Mumbai (Jun '08-May '12)

## Toolkit Has()

- Creative Technology : Arduino, Kinect, Processing, Wiimote, Raspberry Pi, Makey Makey  
Graphics : Illustrator, Photoshop  
System Languages : C, C++, Embedded C, Python, Java (Android)  
Web Technologies : HTML, PHP, CSS, XML, JavaScript  
Scientific Computing : MATLAB, Octave

## Got Published In()

"Blending Reality : An Interactive Platform to explore the city through space and time"  
Hybrid City II : Subtle rEvolution Conference '13, Athens, Greece  
Authors: Annika Kuyper, Ankit Daftery, Takuma Oami, Stefano Danna

"A Simple Wearable Hand Gesture Recognition Device Using iMEMS"  
IEEE International Conference on Social Computing and Pattern Recognition '09, Malaysia  
Authors: A.Pandit, A.Daferly, D.Dand, S.Mehta, S.Sabesan

"Handicap Assistance Device For Appliance Control Using User-Defined Gestures"  
IEEE International Conference on Intelligent Systems, Modeling and Simulation'10, Liverpool, UK  
IEEE International Conference on Machine Learning and Computing'10, Bangalore, IN  
Authors: A.Daferly , D.Dand, S.Mehta, S.Sabesan

## Also()

- Studied Social Psychology on Coursera  
Completed 21 km half-marathon races at Mumbai Marathon, 2009, '10, '11, '12