

WORK EXPERIENCE

Ducere Technologies Pvt Ltd as Embedded Design Engineer (**JUN 2012 - JUN 2013**) **Hyderabad, INDIA**
Joined as employee 1, researched, prototyped & worked on LeChal, a haptic shoe for the visually impaired.

Farasbee as Embedded Design Engineer (**JAN - JUN 2012**) **Mumbai, INDIA**

Responsible for Prototyping and developing Diabeto apart from working on customized Guitar AMP and T-Board.

K.K.Computronics as Independent Consultant (**SEPT 2010 - SEPT 2011**) **Jaipur, INDIA**

Responsible for development of new electronics projects for the company and marketing plans for the existing products.

K.K.Computronics as Web Developer Intern (**MAR 2010 - JUN 2010**) **Jaipur, INDIA**

Responsible for Designing and coding a basic website of the company using Drupal as per company's requirements.

EDUCATION

HITLabNZ, University of Canterbury, Christchurch

Masters of Human Interface Technology (MHIT) , '14 - now

Rajasthan Technical University, Kota

Electronics and Communication Engineering '11

SKILLS

Operating Systems

Linux Windows Mac OS X

Programming

(Proficient/Familiar)

C / C++ JavaScript
Java MATLAB
Python SQL
HTML5 BASH

Softwares, IDEs & Hardware Skills

(Proficient/Familiar)

MATLAB / Octave Eclipse
CodeBlocks OpenCV
Android ADT GTK / PyQt
SMD Soldering SciPy
Eagle PCB Design
Aptana Studio

Multimedia Tools

Photoshop GIMP
Audacity Inkscape
Illustrator Final Cut Pro
Lightroom MovieMaker

Rapid Prototyping Tools

Arduino Processing
OpenFramework

Paper Prototyping Tools:

PopApp

WireFraming Tools:

Proto.io UXPin
InVision

High Fidelity Tools:

App Inventor Flinto

Research Interests

Human Computer Interaction

Sensor Network to Interface Virtual World with Real World

Machine Learning

Embedded Systems

Computer Vision

User Interface Designs

Accessibility

Intelligent interactive systems with Haptic feedbacks

Wearable Computing

Tangible Interfaces

Prototyping Innovative Ideas

Games for Children to enhance their learning experience