

## 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.

**Poornima Group of Colleges** as Assistant of Director (Academics) (SEPT - DEC 2011) **Jaipur, INDIA**

Responsibility was to implement innovative ways of teaching to enhance student's learning experience.

**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

### Programming

(Proficient/Familiar)

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

### Multimedia Tools

Photoshop GIMP  
Audacity Inkscape  
Illustrator Cinerrela  
Lightroom MovieMaker

### Softwares, IDEs & Hardware Skills

(Proficient/Familiar)

Arduino IDE  
MATLAB / Octave  
Eclipse  
CodeBlocks  
OpenCV  
Android ADT  
GTK / PyQt  
SciPy / Numpy  
OpenFramework  
Processing  
Eagle PCB Design  
SMD Soldering  
Aptana Studio

## 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