

## EDUCATION

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### Carnegie Mellon University

Master of Product Development, GPA 3.96/4

May 2014

(Interdisciplinary program across design, engineering & marketing for development of consumer focused products)

### Indian Institute of Technology (IIT) Gandhinagar

Bachelor of Technology, GPA 8.6/10

April 2013

Major in Mechanical Engineering with Minor in Computer Science and Engineering

Awarded Merit Scholarship, 2011-12, 1<sup>st</sup> in class

## PROFESSIONAL EXPERIENCE

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### Product Design Engineer, Skiva Technologies, Dallas, Texas

2014-15

- Designed and prototyped novel mobile phone cases and USB chargers
- Co-inventor for a patent pending mechanism for personalized cases for mobile phones
- Set-up a prototyping lab for the company with CNC mill, mini-lathe, laser cutter, die cutter and other tools

## PROJECTS

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### Beam - Cooking Range for Millennials, Integrated Product Development, CMU & Jarden Corporation

Spring 2014

- Conceptualized a connected smart kitchen appliance system to aid home cooking by identifying the consumer needs through research and Jarden's market strengths
- Prototyped form models and technological proof of concept for the designed cooking range
- Created pricing strategy, revenue model, marketing strategy and business model

### Connected Pet Products, User Research Methods, CMU

Fall 2013

- Identified various stakeholders and scenarios in the interactions between a dog and the owner through several primary and secondary research
- Created a set of opportunities that could be used to develop and market new products for the dog owners

### Automatic Irrigation System, Innovation and Product Development, IIT Gandhinagar

Spring 2012

- User centered development approach to prototype an irrigation system for house gardens
- Developed a low-cost kit with components such as automatic water timer, modular stands & flow valves
- Designed the system to control the amount of water to different plants as per their requirements

### Electronic Hat for Quadriplegic People, IIT Gandhinagar

Fall 2011

- Developed a hat for computer pointer maneuvering using just head movements of quadriplegic people
- Interfaced an accelerometer with Arduino and used Processing language to implement functions for movement of computer pointer in four directions and also right and left clicks

## LEADERSHIP

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### Organizer, Amalthea (Annual Technical Summit), IIT Gandhinagar

2010-12

- Initiated the college's first technical summit with other batch mates
- Led a team of 4 students for website development and internet marketing

### Founding Member, Rompotiks (Robotics Club), IIT Gandhinagar

2009-11

- Organized workshops & competitions for students of college

## SKILLS

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**Software:** SolidWorks, Autodesk Inventor, Adobe Flash, Illustrator, Gimp

**Programming:** C, HTML, CSS, Scilab, Matlab, R, SQL

**Design:** User Centered Research, Ethnographic Studies, Scenario, Storyboarding, Stakeholder Analysis