

## AREAS OF INTEREST

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Programming Languages, Operating System, Virtual machines, Parallel Computing

## EDUCATION

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**Bachelor of Technology, Information and Communication Technology**

Jul'09 - May'13

*Dhirubhai Ambani institute of Information and Communication Technology, Gandhinagar, India*

## WORK EXPERIENCE

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**Software Developer**

May'14 - Present

*ZapStitch, Bangalore, India*

- One of the core members of the development team
- Worked on development of the platform of the product
- Taken Micro service architecture approach which ensures that all the modules can work together regardless of their Language and Framework

**Software Developer**

Jun'13 - Apr'14

*Neptune Information Technologies GmbH, Pune, India*

- Worked on banking solution for Home Savings bank
- Used Spring MVC with Agile development techniques and TDD

**Student Developer**

May'12 - Aug'12

*Google Summer of Code for Mozilla Firefox*

- Worked on a Networking tool called 'Networking Dashboard' for Mozilla Firefox
- The tool shows statistical data about different network protocols of the browser
- The interface exposing this data is written in C++ and the Add-On demonstrating the use of this interface written in JavaScript
- This data can be helpful for debugging performance and connectivity issues while web development

## RESEARCH EXPERIENCE

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**Intern**

Jan'13 - Apr'13

*IBM Research, Bangalore, India*

- Worked with Smarter Energy Group on Wattalyst (<http://www.wattalyst.org/WattalystWebsite/index.html/>) which aims to understand in what context and how would consumers reduce demand of energy
- Created an easy to use interactive interface that encourages users to follow the suggestions related to usage of appliances
- Developed an efficient API which provides energy consumption data

**Developer**

May'11 - Sept'11

*MILLEE, Carnegie Mellon University*

- Worked as J2ME programmer with Prof. Matthew Kam of Carnegie Mellon University
- Created games aimed at educational benefit of school children in rural India
- Used the data collected to study the impact of mobile games on students' ability to learn

## SELECTED PROJECTS

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### Unison-Wrapper

This is a very basic tool for Unison File Synchronizer (<http://www.cis.upenn.edu/~bcpierce/unison/>) written in PyQt4 and shell script. It uses sockets for file transfer. For details, here is Github repository - <http://goo.gl/eouu6u>

### Cloud Ninja

A cloud app to copy files from Dropbox to Google Drive. There is not much emphasis on the UI. It is written using Java servlets for server and Javascript for the frontend. Use the app here : <https://cloud-ninja.herokuapp.com/> . Here is the Github repository - <http://goo.gl/qeDG5a>

### Mobile Application for Gujarat Tourism

Developed a cross platform Mobile Application (<http://goo.gl/FcBABI>) in HTML, Javascript and CSS with Phonegap native binding for Tourism Corporation of Gujarat Limited. Used Sencha Touch mobile app framework for quick development

### Character Recognition Through Pattern Matching

As part of Digital Image Processing course, implemented vector-matching algorithm in Matlab to recognize characters

### “Wolf-Express” Courier Database

As part of a team worked on creation and maintenance of a database emulating database of a courier company and have beginner level experience working with JDBC

## ACTIVITIES

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- OSID - Open Source Initiative at DA-IICT committee member. The club conducts regular lectures on open source software development and technologies
- Regular contributor of Mozilla Firefox. Link to some bug fixes - <http://goo.gl/jr2F2b>
- Attended Mozilla’s annual summit MozCamp in Singapore

## ACHIEVEMENTS

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- Won 1st prize for micro-controller controlled car competition in iBOT, a state robotics competition held at iFest, IEEE, Gujarat – 2011
- Participated in ACM-ICPC 2011 regional round at Amrita Viswa Vidhyapeetham, Coimbatore, India

## TECHNICAL SKILLS

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<i>Languages</i>	Gujarati, Hindi, English
<i>Programming</i>	Proficient: C, C++, Java
<i>languages</i>	Intermediate Level: JavaScript, Sql, Embedded C
	Primary level: Python, LaTeX, Haskell
<i>Technologies</i>	Spring MVC, Spring Data, AngularJS, Maven
	Django, J2EE web-technologies, J2ME, Informix
	Version Control: Mercurial, Git
	Debugging: gdb
	Database: jdbc

## COURSE WORK

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System Software, Operating System, System and Network Security, Software Engineering, Data Structures, Introduction to Algorithms