

## Saheb Motiani

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### Education

<b>2010-2014</b>	Dhirubhai Ambani Institute of Information and Communication Technology(DA-IICT) Gandhinagar (Gujarat) B.Tech. Information and Communication Technology - CPI 8.03/10 (till 4 <sup>th</sup> Semester )
<b>2008-2010</b>	St. Xavier's Loyola Hall, Ahmedabad (Gujarat) Gujarat State Board - 81.40 % (aggregate)
<b>2006-2008</b>	St. Kabir School, Ahmedabad (Gujarat) Gujarat State Board - 89.08 % (aggregate)

### Skills

<b>Expertise Area</b>	Data Structures, Algorithms, Programming, Probability, Graphs.
<b>Programming Language</b>	C, C++, Java, Python, Android.
<b>Tools and Technologies</b>	Eclipse, Codeblocks, SVN, Git, Python-IDLE.

### Internship

<b>Google Summer of Code 2012</b>	ASCEND ( <a href="http://ascend4.org/">http://ascend4.org/</a> ) <b>Guide:</b> Prof. John Pye(Australia National University) and Prof. Kannan Moudgalya(IIT-B) (Apr – Sept 2012) Team Size - 1  Created Custom Icons for Blocks in ASCEND's Canvas Based Modeller, using Gaphas in python. It enriched user experience, they could just drag-drop icons and get their code ready. <a href="http://ascend4.org/User:Saheb">http://ascend4.org/User:Saheb</a>
<b>Rural</b>	Panchasar Primary School (Dec 2011) <b>Guide:</b> Prof. Ganesh Devi Team Size - 2  Taught students fundamentals of basic tools used in computer which included notepad, paint and Microsoft Office.

## Projects

### **Code'm Poker**

(Nov – Dec 2011)

**Guide:** Prof. Rahul Mutthu

Team Size- 3

Created a poker player i.e. a Java program which plays poker and gives decisions based on varying situations. It also makes analysis of previous moves of other players.

### **RSA Cryptography**

(Mar – Apr 2012)

**Guide:** Prof. Sanjay Chaudhary

Team Size- 1

Created a program which can send messages cryptic using RSA algorithm from one machine to another. It involved generation of huge prime numbers, multithreading and concept of message sending. Language used was C.

### **Interface between doctors and rural people.**

(Aug – Nov 2011)

**Guide:** Prof. Madhumita Mazumdar.

Team Size- 10

Understanding of problems existing between rural people and medical authorities, and proposing a solution for improving the bond.

## Positions of Responsibility

- Speaker, Problem-Setter of Programming Club, DA-IICT (July 2012 - Present)
- Member Of Student Placement Cell, DA-IICT. (Apr 2012 - Present)
- Among 19 core developers, ASCEND. (Jan 2012 - Present)
- Co-ordinator, [I-Fest](#), Annual festival of DA-IICT IEEE student branch. (Oct 2011)

## Awards and Achievements

- Secured 510<sup>th</sup> rank in International Mathematics Olympiad with 95.09 percentile
- Among top 150 programmers of India in [National Programming League](#), NIT Warrangal 2012.
- Among top 2 programmers in iCode, in I-Fest 2012.
- Finalists of India Poker Championship held in Mood Indigo 2011 at IIT Bombay.
- Won the Tech Imagine Event in [Synapse, Techno-cultural Fest](#) of DA-IICT 2012.
- Runner up Rekriti – Innovative Grass root Idea Event in Synapse 2012.
- Member of College Cricket Team.

## Interests and Hobbies

*I love reading novels, playing cricket & soccer, cycling, poker, learning guitar, open source programming and blogging at <http://samthelerner.blogspot.com/>.*