

Saheb Motiani

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Education

Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, Gujarat

Bachelor of Technology with CGPA - 8.03/10(till 4th Sem.)

St. Xavier's Loyolla, Ahmedabad, Gujarat

12th Grade - 81%

St. Kabir School, Ahmedabad, Gujarat

10th Grade - 89%

Experience

Google Summer of Code - Student Developer

April - August 2012

Worked on Canvas Based Modeller of ASCEND. In involved creation of custom icons for the canvas using Gaphas(A diagram drawing library).It even included constraint programming of custom and default icons.Python was the language used for the project.

ASCEND Modelling Environment - Developer

January - August 2012

Worked on the new PyGtk Graphical User Interface of ASCEND. It involved understanding of parsing using Bison/Flex, wrapping C++ functions using SWIG and using it in python and reading Tcl/tk code. The feature I worked on was "Smart Intuitive Default Units", i.e. displaying N in place of kgm/s2.

Skills

- Experienced with handling huge code base and efficient in reading and understanding code written by other developers.
- Quick learner of new programming languages and technologies.
- Good at understanding and implementing algorithms.
- Have a good experience in developing user-interface tools.

Programming Languages

- Efficient in Python,C,C++ and Java.
- Basics of Html,CSS,Javascript,PHP.

Tools and Technologies

- Version Control - Git and SVN
- Build Tools - Scons, make
- Testing Tools - CUnit Testing and JUnit Testing.

Interesting Projects

Code'm Poker

Created a Poker Bot(program) which plays poker. It takes decision itself during the play

based on specific strategies and previous moves of the opponents. It involved extensive file management techniques and research.

RSA Cryptography

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

Activities and Achievements

- Speaker and Member of Aryans-Programming Club of college.
- Was winner of TechImagine and Runner-up for Rekriti in Synapse 2012.
- Was a finalist in India Poker Championship held at Mood Indigo 2011, IIT-b.
- Member of the College Cricket Team.
- Member of Student Placement Cell of College.
- Class Representative for an EVS course under Prof. Shiv Vishvanathan.
- Secured 510th rank in International Mathematics Olympiad with 95.09 percentile.

About Me

I am fun loving guy who is looking for experiences. Programming and philosophy are my primary interests. I love blogging, playing cricket & soccer, cycling and learning guitar.