

**Yash Soni**

**200801207**

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#### Education

<b>2008-12</b>	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar (Gujarat) B.Tech, Information and Communication Technology CPI 6.85/10 (till 6 <sup>th</sup> Semester )
<b>2006-2007</b>	Kendriya Vidyalaya, Anand (Gujarat)-CBSE 86 %
<b>2004-2005</b>	Kendriya Vidyalaya, Anand (Gujarat)-CBSE 88 % (PCM-95%)

#### Skills

<b>Expertise Area</b>	Algorithms, Data Structures, Graphic Designing, UI Design
<b>Programming Language</b>	C, C++, Java, Python, SQL, Verilog HDL, HTML, LC3, Assembly
<b>Tools and Technologies</b>	Matlab, Logisim, HTML5, CSS3, ASP.NET, MS Office, Xilinx, Photoshop, Illustrator, Flash, Dreamweaver, 3DS Max, Audacity
<b>Technical Electives</b>	Introduction to Cryptography, Computer Graphics, Introduction to Algorithms, Digital Signal Processing

#### Internship

<b>Research</b>	Human Development Lab, CMU - Pittsburgh (May'11 – July'11) Mentor: Prof. Matthew Kam (Human Computer Interaction-CMU) Developed motion sensing games using Microsoft Kinect technology.
<b>Industrial</b>	USID Gurukul, IIT Kanpur (Aug'10 – Sept'10) Guide: Raman Saxena (Founder-USID India) Developed Emergency Response Decision System for handling emergency situations in Hospitals. Was one of the 48 students selected from all over India.
<b>Research</b>	MILLEE, CMU - Pittsburgh (May'09 – Present) Mentor: Prof. Matthew Kam (Human Computer Interaction-CMU) Enhance access to literacy among children of school-going age in the developing world using mobile games. Helped in creating and successfully deploying 10 java games.
<b>Research</b>	Playpower, CMU - Pittsburgh (Feb'10 – Oct'10) Guide: Derek Lomas (PhD - Human-Computer Interaction Institute) Educational games on 8-bit platform. Our games were deployed in Ahmedabad, Bengaluru and Mumbai. Worked as "Engineering and Game Design Research Assistant".

## Projects

1. Investigation of Partitioning techniques on Semantic database (Sep '11 – Nov '11)  
Guide: Prof. Minal Bhise (DAIICT)  
Implemented different RDF data stores based on partitioning techniques and analyzing query performance.  
Team Size -2
2. Space Recyclers! (Aug '11 – Oct '11)  
Guide: Prof. Nitin Raje (DAIICT)  
Developed a game using Panda 3D game engine and Python.
3. DA-Live (Jan '11 – Apr '11)  
Guide: Prof. Asim Banerjee (DAIICT)  
Team Size-11  
Developed website using ASP.NET to club all college activities and events on a single interface. Main features of the website were email extraction using IMAP and sending SMS notification for the events. Implemented Terrier search engine for Intranet.
4. 2D-3D Block Image Conversion (Oct '11 – Apr '11)  
Guide: Prof. Nitin Raje (DAIICT)  
Team Size-2  
Built an algorithm to convert 2D image to 3D blocks using PyGame and OpenGL.
5. Infrared Remote Control for Computer (Nov'10 – Dec'10)  
Guide: Prof. VijayKumar Chakka (DAIICT)  
Team Size-2  
Built a mechanism to control any Computer through a simple IR T.V remote decoding the RC-5 protocol used for Infrared communication.
6. Database Design for an Online Encyclopedia Service (Sep'10 – Dec'10)  
Guide: Prof. Minal Bhise (DAIICT)  
Team Size-2  
This project was related to building a back-end design for an Online Encyclopedia.
7. Designed website for
  - Playpower open-source repository
  - Synapse 2011
  - Youth Run -2011

## Positions of Responsibility

- Head Graphics designer for Summer Internship Under MILLEE (CMU, Pittsburgh)
- Coordinator of 'Forage' event in Synapse, the annual cultural fest of DAIICT.
- Member of Synapse Design Team.
- Head boy of School.
- Cultural head for student co-curricular activities at school level.

## Publications

- Derek Lomas, Kishan Patel, Dheeraj Medikonda, Darsh Shah, **Yash Soni**, Anshul Pahwa, Dixie Ching "Play Exemplars from Playpower.org" at International Academic Conference on Meaningful play, October 21-23, 2010, Michigan State University, Michigan.

## Awards and Achievements

- 1<sup>st</sup> prize in 100/10 challenge organized by CEID(Center for entrepreneurship in DAIICT )
- Won first prize in painting competition conducted by Cultural Committee (DAIICT) – '08
- Won 2nd prize in Gujarat State Drawing Competition – 2005
- Best student of the year award in school.

## Interests and Hobbies

- Playing Badminton and Table Tennis
- Drawing, Digital Painting, Graphic design and 3D/2D Animation
- Travelling
- Calligraphy

Declaration: The above information is correct to the best of my knowledge.

-Yash Soni

Dt. June 24, 2011