



# Dhirubhai Ambani Institute of Information and Communication Technology

## SHAILJA YOGESHKUMAR SHUKLA

**200901238**

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### Education

<b>2009-13</b>	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar (Gujarat) B.Tech/M.Tech, Information and Communication Technology - CPI 8.55/10 (till 6 <sup>th</sup> Semester )
<b>2007-09</b>	Shiv Jyoti Higher Secondary School, Kota (Rajasthan) Rajasthan State Board (BSER), Class XIIth. - 81.54 % (aggregate)
<b>2006-07</b>	St. Joseph High School, Una (Gujarat) Gujarat State Board (GSHSEB) - 88.46 % (aggregate)

### Skills

<b>Areas of interest</b>	Digital Signal Processing, Radio Frequency Engineering, Embedded Hardware Systems, Digital Image Processing
<b>Programming Language</b>	Assembly Language, Verilog, C, JAVA, HTML, PostgreSQL
<b>Tools and Technologies</b>	MATLAB, LabVIEW, Keil, avrdude, pgAdmin, Xilinx, Logisim, Multisim, Latex, LINUX(UBUNTU)
<b>Technical Electives</b>	Advanced Digital Signal Processing, Radio Frequency Engineering, Digital Image Processing, Digital System Architecture

### Internship

<b>Rural</b>	<b>ANaRDe(Acil-Navasarjan Rural Development Foundation), Nadiad, Gujarat</b> (Dec'10) Team Size -5 Guide: Prof. Ganesh Devi Worked under the Govt. project <i>Swajaldhara Yojana</i> . Also understood working of WASMO (Water and Sanitation Management Org.)
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<b>Research</b>	<b>Study of Power Control Algorithms and their implementation in Cognitive Radio Networks.</b> Guide: Prof. Vijay Kumar Chakka, DA-IICT	(May'12 – July'12) Team Size -2
<b>Research</b>	<b>GSM based home automation system</b> Guide: Viraj Chowksi, <b>BISAG(Bhaskaracharya Institute of Space Application and Geo-Informatics)</b> , Gandhinagar Developed a standalone embedded device which can be used to control home appliances remotely using SMS.	(Jun-July,'11) Team Size - 1

## Projects

<b>Face detection and recognition using minimal facial features</b> Guide: Prof. Vijay Kumar Chakka,DA-IICT Analyzed and implemented eigen face method in MATLAB	(Aug –Nov,'11) Team Size-2
<b>Robust Digital Image watermarking using wavelet transform</b> Guide: Prof. Hemant Patil, DA-IICT	(Jan – Mar,'12) Team Size-1
<b>Digital Image Inpainting using convolution</b> Guide: Prof. Aditya Tattu, DA-IICT	(Jan – Mar,'12) Team Size-2
<b>Human Resource Management System –NIFT</b> Guide: Prof. Asim Banerjee, DA-IICT Developed a django server based web portal for a live client in which we implemented some of the modules of HRMS. I contributed to the front end coding.	(Jan- Mar,'12) Team Size – 9
<b>Airflight Management System – DBMS project</b> Guide: Prof. P.M.Jat, DA-IICT Developed an Airflight Management System using pgsq and JDBC	(Aug-Mar, '11) Team Size – 4

## Positions of Responsibility

- Election Commissioner responsible for conducting general elections at DA-IICT. (Apr'10–present)
- Basket Ball girls' team captain for the IIT-DELHI sports fest SPORTECH'12.
- Coordinator for Basketball – Concours'11 (DA-IICT sports fest).
- Girls House Captain in school.

## Awards and Achievements

- Stood 2<sup>nd</sup> in the business plan competition conducted by Endeavour in DA-IICT.
- Have taken part in girls' basketball competitions at various national level inter college fests such as Udghosh'10 – IIT Kanpur,Spree'10 – BITS GOA CAMPUS, Sportech'12 – IIT Delhi and won championship in Concours'10 (DA-IICT sports fest).
- Stood 3<sup>rd</sup> in Youth Run for 8kms – girl's category.

## Interests and Hobbies

Basket-ball, reading novels, learning new languages, trekking and exploring new places.

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

-Shailja Shukla

Dt. July 18, 2012