

Akash Ghosh**Dhirubhai Ambani Institute of Information and Communication Technology**

Email: xxxxxxxx@xxxxx.xx.xx

DOB: December 21, 1990

Address: x-xxx, xxx xx, xx-xxxx, xxxxxxxx

Education

Degree	University	Year	CPI/Aggregate
B.Tech. (ICT)	Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujarat	2010-14	7.61
Intermediate/+2	St. Paul's Senior Secondary School, Jodhpur (Rajasthan) CBSE	2009-10	86.80%
High School	St. Paul's Senior Secondary School, Jodhpur (Rajasthan) CBSE	2007-08	85.80%

Skills**Areas of Interest** Data Structures and Algorithms, Database Management, Device Physics, Analog Circuits, VLSI Domain, CMOS, Probabilistic Analysis**Programming Languages** C, XHTML and CSS, SQL, Verilog, Shell Programming, ARM (ARM v4)**Tools and Technologies** Sublime, GEditor, Netbeans, LabView, Xilinx ISE, Silos, LTSpice, Logisim, PostGRE SQL, Eclipse, Keil uVision, Multisim, AVR Studio, Dia**Technical Electives** Introduction to Algorithms, Introduction to VLSI, Digital System Architecture, Introduction to Cryptography, Graph Theory, Solid State Devices, Low Power VLSI Design**Internships**

Industrial **Hitachi Hi-Rel Power Electronics, Gandhinagar** (May, 13 – June, 13)
Guide : Mr. Rajnikant Solanki
The internship was devoted to learning the mechanisms related to the functioning of Uninterrupted Power Supply (UPS) and its testing along with another project on the FRC test zig.

Rural **Nandanvan Gramodhyog, Ambaji, Gujarat** (December, 11)
Guide : Mr. Hitendra Rami
The internship aimed at learning the art to manufacture usable items from the coconut waste.

AKASH GHOSH

Address: x-xxx, xxx xxx, xx-IICT, Gandhinagar

Mob: +91-xxxx-xxxx; Email: xxxxxx@daiict.ac.in

SOFTWARE ENGINEER-Entry Level**Career Objective:**

To explore and conquer new challenge, using skill, expertise and technical qualifications in software development and programming within a progressive organisation.

Synopsis:

- A proactive and enterprising enthusiast, possessing exceptional leadership qualities which have been portrayed during my academic and internship tenure as Group Leader
- An analytic thinker, with mathematically inclined intellect; successfully selected as the top 100 students in TSI Math's Olympiad held in 2001, 2002 and 2005, Rajasthan
- Ability to develop programs, conduct testing and debugging code; Proficient in designing interfaces; and administering systems and networks
- A quick learner with the ability to swiftly master new technologies
- Goal oriented; skilled at capitalizing on opportunities and working around obstacles with the aim to accomplish required objectives
- Skilled in working autonomously or in a team environment and under stringent time constraints.

Core Competencies:

- Analyzing, designs, and developing client/server side web based applications and IVR using Object Oriented Programming
- Preparing reports for a variety of IVR applications using Java, XML and Eclipse
- Trouble shooting system deficient's and providing technical support
- Data Base Designing, Administering and Management
- Systems configuring & upgrading
- Defining and planning workflow processes
- Migration & Configuration of customer based network stations

Technical Skills:**Areas of Interest:**

- Data Structures and Algorithms, Database Management, Device Physics, Analog Circuits, VLSI Domain, CMOS, Probabilistic Analysis

Programming Languages:

- C, XHTML and CSS, SQL, Verilog, Shell Programming, ARM (ARM v4)

Tools and Technologies:

- Sublime, GEditor, Netbeans, LabView, Xilinx ISE, Silos, LTSpice, Logisim, PostGRE SQL, Eclipse, Keil uVision, Multisim, AVR Studio, Dia

Technical Electives:

- Introduction to Algorithms, Introduction to VLSI, Digital System Architecture,, Introduction to Cryptography, Graph Theory, Solid State Devices, Low Power VLSI Design

Key Deliverables; Across Career Span

- Configuring various software and platforms, including assembling PCs with various configurations
- Responsible for Server Maintenance of HP ML series
- Assisting in database administration (SQL 2000,2005)
- Providing to Senior Engineer in Windows administration, and troubleshooting system deficiencies
- Hands on experience in the sales of computer hardware
- Providing systems administration support; server & work station upgrades, backups & disaster management
- Conducting regular system backups and recovery procedures on all in-house systems
- Assisting in curbing virus outbreaks and promptly isolating removing virus that have infiltrated systems
- Communicating with users to effectively analyze and evaluate technical needs

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Technical Projects

Hostel Management System (January, 13 – April, 13)
Guide : Prof. Asim Banerjee Team Size – 9
The objective was to create a web-based mechanism for the efficient management of the hostel in order to benefit the day-to-day activities pertaining to both the authorities and the residents involved. We deployed it with the use of PHP.

Olympics Database (July, 12 – November, 12)
Guide : Prof. P. M. Jat Team Size – 5
To build a database for all the sports enthusiasts and statisticians, who would like to analyse the performance of an individual, Team or Country in the past six Olympic Games.

Real Time Clock(RTC) using DS3231 (July, 12 – November, 12)
Guide : Prof. Prabhat Ranjan Team Size – 2
Implement real-time clock with the use of AVR-Dragon and DS3231. These clock pulses could be used in the controlled Nuclear Fusion Project (BRFST).

Library Management System (January, 12 – April, 12)
Guide : Prof. Sanjay Chaudhary Team Size – 2
Use of File Handling, p-threads and Client-Server mechanisms to implement the library routine.

Noiseless Horn (January, 11 – April, 11)
Guide : Prof. Vijay Kumar Chakka Team Size – 6
Use of Electromagnetic waves along with Transmitters and Receivers to establish a communication channel.

Non-Technical Projects

Ecology of River Brahmaputra (January, 12 – April, 12)
Guide : Prof. Shiv Vishvanathan Team Size – 5
Study of river ecology and its impact on South-East Asian countries with special reference to India.

Economic Reforms of 1991 (January, 11 – April, 11)
Guide : Prof. Alka Parikh Team Size – 6
A research related to the Economic upheavals in the Indian economy during 1991.

Positions of Responsibility

- Project Assistant: "Object Locator" under Prof. Anil Roy (June, 13 – Till Date)
- Group Leader under the following courses, along with their respective strength
 - Software Engineering, Semester-6 (Team Strength - 9) (January, 13 – April, 13)
 - Environmental Science, Semester-4 (Team Strength - 5) (January, 12 – April, 12)
- Member of Entelechy, Press Club, DA-IICT (August, 10 – Till Date)
- House Captain, St. Paul's Senior Secondary School, Jodhpur (April, 09 – March, 10)

Awards and Achievements

- Attended the Research Promotion workshop on Introduction to Graph and Geometric Algorithms conducted at DAIICT (in association with Tata Institute of Fundamental Research, Mumbai).
- Was amongst the top 100 students in Rajasthan in TSI Maths Olympiad held in 2001, 2002 and 2005.

Interests and Hobbies

Listening Music, Playing Chess, Watching Cricket, Reading Books.

- Ensuring that the network infrastructure is well maintained and functions without interruptions
- Responsible for ensuring server compatibility with all in-house computers, software and other applications
- Assessing security issues and preventing unauthorized access to systems

Technical Projects:

Hostel Management System Jan 2013 – Apr 2013
o Utilized PHP to effectively create a web-based mechanism that would ensure enhance efficiency in the daily running of hostel management. The outcome of this project greatly benefitted the hostel authorities and the residents alike

Olympics Database Jul 2012 – Nov 2012
o Successfully developed and implemented a sports database of the past six Olympic Games that enabled sports enthusiasts and statisticians, in analyzing the performance of an individual sport person, a team or a country

Real Time Clock (RTC) using DS3231 Jan 2012 – Apr 2012
o Utilized AVR-Dragon and DS3231 to implement real-time clock pulses that were effectively used in the controlled Nuclear Fusion Project (BRFST)

Library Management System Jan 2012 – Apr 2012
o Successfully optimized File handling P-Threads and Client-Server mechanisms to implement specific library routines

Noiseless Horn Jan 2011 – Apr 2011
Integrated electromagnetic waves along with transmitters and receivers to establish a communication channel

Internships:

Industrial May 2013 – Jun 2013

Hitachi Hi-Rel Power Electronics, Gandhinagar

- Gained in-dept knowledge on the mechanisms related to the functioning of Uninterrupted Power Supply (UPS) and its testing along with another project on the FRC test zig

Rural

Nandanvan Gramodhyog, Ambaji, Gujarat

- Recycled coconut waste into useable items

Computer Skills

Ms Office- Word, Excel, PowerPoint

Professional Qualifications:

B Tech (ICT) May 2010 – June 2013

Dhirubhai Ambani Institute of Information & Communication Technology (DA-IICT)

Gandhinagar, Gujarat

Scored a CPI/Aggregate of 7.61%

Personal Details:Date of Birth : 23rd December, 1992

Gender : Male

Marital Status : Single

Languages : English, Hindi, Bengali

Interest : Music, Playing Chess, Watching Cricket and Reading

References Can Be Provided On Request**AKASH GHOSH**

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