

## Biographic Resume of Chandrashekhar

Full Name : CHANDRASHEKHAR

Date of Birth 0 4 September 1985

Gender Male

Father's Name Dr. U.C. Lavania

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Institutional address 4<sup>th</sup> Year, B.Tech,  
The LNM Institute of Information Technology  
Rupa Ki Nangal, Post – Sumel, via Kanota,  
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### Academic qualifications:

| Degree / Examination                                              | University /Board / Institution                       | Percentage / CPI                             |
|-------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------|
|                                                                   |                                                       |                                              |
| B. Tech. (2003-2007)<br>Communication and<br>Computer Engineering | LNM IIT, Jaipur<br>(Deemed University)                | 8.66 / 10<br>(till 6 <sup>th</sup> Semester) |
| 12 <sup>th</sup> (2003)                                           | ISC (PCM group)<br>(Seth MR Jaipuria School, Lucknow) | 91.75%<br>(top 4 including English)          |
| 10 <sup>th</sup> (2001)                                           | ICSE<br>(Seth MR Jaipuria School, Lucknow)            | 89.6%<br>(top 5 including English)           |

## **Courses of Study undertaken at B.Tech. level**

### *Computers:*

1. Basic programming
2. Computer Architecture
3. Operating System Concepts
4. Computer networks
5. Database Systems
6. Compiler Design
7. Computer Algorithms

### *Electronics / Communication:*

1. Basic Electronics
2. Analog Electronics
3. Signals and Systems
4. Electronic Devices and Circuits
5. Analog Communication
6. Electrical Machines and Measurements
7. Digital Communications
8. Digital Signal Processing
9. Digital Image Processing
10. Mobile Communications
11. Telecommunications Transmission Technology
12. Electromagnetic Theory

## **Practical experience:**

### *Computers:*

1. Made a C language based information system of our college as part of the Computer lab.
2. Made an emulator for the basic mathematical and few logical operations of a very simplified form of the 8085 processor on a Pentium machine.
3. Did Kernel Benchmarking of the Linux kernel.
4. Simulated the CPU scheduling algorithms of FCFS and Priority Queuing.
5. Implemented a Web based library management system using JSP and MySql.

6. Designed a highly simplified Sql Translator for some very basic Sql operations.

*Electronics / Communication:*

1. Implemented the AM modulator and demodulator.
2. Made the FM modulator and demodulator.
3. Made a basic sine, square wave generator.
4. Simulated the triangular wave generator on PSpice.
5. Implemented a 4 bit PCM modulator and demodulator.
6. Made an OOK modulator and demodulator.
7. Made a BFSK modulator and demodulator.
8. Implemented a BPSK modulator.
9. Simulated ADM with performance analysis on Scilab.
10. Simulated 4 bit DPCM with performance analysis on Matlab
11. Simulated MSK modulator and demodulator on Matlab
12. Simulated DQPSK modulator and demodulator on Matlab.
13. Simulated carrier recovery for BPSK on Matlab.
14. Completed a lab course on DSP and DIP wherein the work was done on Matlab.

The work on Matlab and Scilab was done singly, and others were done mostly by a group of two or three, including DSP, DIP lab.

**Other Experience:**

1. Implemented an “Excel based near real time Data Harvesting system for Wireless Sensor Networks” at IIT Bombay as a summer project during May-July 2006.
2. Received experience on working with PLC’s during industrial training at Mittal Steel, Temirtau, Kazakhstan in May-June 2005.
3. Made industry visits to REIL Rajasthan and GENUS Rajasthan.

**Technical Skills:**

|                        |                                       |
|------------------------|---------------------------------------|
| Programming languages: | C, overview of Java                   |
|                        | Overview of nesC.                     |
|                        | Very Basic shell programming(bash)    |
|                        | Very Basic network programming in “C” |

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| Platforms:        | Windows XP, Linux (Redhat, Fedora), Overview of TinyOS.     |
| Simulation Tools: | Experience on Pspice, Scilab, Matlab (DSP,DIP toolboxes)    |
| Databases:        | MySql, Microsoft Access.                                    |
| Other Tools:      | Experience with Antlr, Microsoft Excel, Apache Tomcat, JSP. |

### **Other Activities / Achievements:**

1. Awarded Dr. Rajendra Prasad Jagriti Independence Scholarship (Bhagat Singh group) 1998-99 by Rashtriya Jagrati Sansthan, New Delhi
2. Awarded Certificate of Merit for securing Ist position in Maths prize Examination at intra-college level, 2002
3. Awarded Certificate of Merit and Cash prize by UP Council of Science & Technology for securing Highest Marks in Mathematics in ISC 2003
4. Participated in Mathematics, Chemistry Olympiads of Intermediate level 2002
5. Part of the organizing team of the Intra-Institutional Quiz competition in 2004
6. Part of the organizing team of the Inter-institutional Quiz competition in 2005
7. Qualified for the final round of the Intra-Institutional quiz competition in 2005
8. Part of the organizing team of the Inter-Institutional programming contest in 2006
9. Took active part in Vivacity 05 and Vivacity 06 – the cultural and tech fest of LNM IIT, Jaipur.
10. Current Department Rank is second with a CPI(Cumulative Performance Index) equal to 8.66/10