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OBJECTIVE

- To be at a challenging and responsible position and to make optimum use of my knowledge in the field of Communications and Computers, leading to both personal and organizational growth.

EDUCATION

[The LNM Institute of Information Technology \(LNM-IIT\)](#)

Pursuing B.Tech in “Communication and Computer Science” (2005 to Present)
Current Cumulative Grade Point Index: - 7 / 10

2003	Class XII : CBSE	Kendriya Vidyalaya, Bharatpur	81.4 %
2001	Class X : CBSE	Kendriya Vidyalaya, Bharatpur	84.8 %

TECHNICAL KNOWLEDGE

✓ Programming : -C, Java, Perl, Computer Organization and Architecture-(Machine instructions and addressing modes, ALU and data-path, CPU control design, Memory interface, I/O interface (Interrupt and DMA mode), Instruction pipelining, Cache and main memory, Secondary storage), Algorithms (Analysis, Asymptotic notation, Notions of space and time complexity, Worst and average case analysis; Design: Greedy approach, Dynamic programming, Divide-and-conquer; Tree and graph traversals, Connected components, Spanning trees, Shortest paths; Hashing, Sorting, Searching), Numerical methods (LU decomposition for systems of linear equations; numerical solutions of non-linear algebraic equations by Secant, Bisection and Newton-Raphson Methods; Numerical integration by trapezoidal and Simpson' s rules)
✓ Web Development: - HTML 4.1, XHTML 1.0, JavaScript, Java Server Pages, Java Server Faces, AJAX, Flash, PHP 5, Apache Servers 5.0, Dream weaver.
✓ DBMS: –. ER-model, Relational model (relational algebra, tuple calculus), Database design (integrity constraints, normal forms), Query languages (SQL), File structures (sequential files, indexing, B and B+ trees), Transactions and concurrency control.

✓	Operating Systems: - Linux (Fedora 6, Mandriva 2007, Suse 10.1), Windows (DOC, 95, 98, 2000, XP)
✓	Communication: - Basic Digital and Analog (Filters , low pass, high pass, band pass, Boolean algebra, minimization of Boolean functions; logic gates digital IC families (DTL, TTL, ECL, MOS, CMOS). Combinatorial circuits: arithmetic circuits, code converters, multiplexers, decoders, PROMs and PLAs. Sequential circuits: latches and flip-flops, counters and shift-registers. Sample and hold circuits, ADCs, DACs. Semiconductor memories. Microprocessor (8085): architecture, programming, memory and I/O interfacing) Semiconductors, Analog communication, Signals and Systems.
✓	Computer Networks:- ISO/OSI stack, LAN technologies (Ethernet, Token ring), Flow and error control techniques, Routing algorithms, congestion control, TCP/UDP and sockets, IP(v4), Application layer protocols (ICMP, DNS, SMTP, POP, FTP, HTTP); Basic concepts of hubs, switches, gateways, and routers.

PROJECTS The details of the various projects, in chronological order.

Project	RFID Universal system
Company	LNM IIT(Deemed University)
Period	B tech final year project
Description	The system design is in progress.....
Role(s)	Team selection is going on...
Envn	Still deciding...

Project	Eectricity Billing systeml
Company	HARYANA ELECTRICTY BOARD
	(Government org.)
Period	From March 2007 to till date.

Description	The old software was in FOX PRO, so they wanted to upgrade there system with an efficient internet database system in SQL (DBMS) and UI. Responsibilities: • Database designing(ER model) • Algebra of Relations (3NF). • Deciding the tools to be used. • Analyzed user requirements, attended Change Request meetings to document changes and implemented procedures to test changes. Not completed yet still in progress..... Suppose to complete on may end.
Role(s)	Almost every thing (two persons were on this project under the guidance of some experienced persons)
Envn	Still deciding.....
Tools	Apache, JSP, HTML, CSS, Oracle, AJAX(JS),ODBC

Project	RCB-MCR-WEB
Company	THE RAJASTHAN CRIME BRANCH. (CIDCB)
Period	From June 2006 till date.
Description	RCB-MCR-WEB is a system and infrastructure development program for Rajasthan Crime Branch to develop enhanced online reporting and provide a robust monthly and customized report generation. This program represents the first phase of online legacy architecture for report data handling on a secure network. Responsibilities: • User interface for a police man easy to understand. • Working connection over a dialup network. • Data integration and safe handling. • Page size and data transfer should be as small as possible and adequate. • Working on the problems regarding understanding of system by police men • Communicated defects and needed enhancements to Software Engineers as they occur. • Improve cycle duration through the use of an automated testing tool. • Ensured test Cases delivered cover entire scope of stories delivered. • Ensured Project Team understands testing process and error documentation.

Role(s)	Code developer and software, Administrator.
Tools	Apache, JSP, HTML, CSS, Oracle, AJAX(JS),ODBC

AREA OF INTEREST

- Advance Computing.
- System programming.
- Data Stream Management Systems. (High frequency data management systems).
- ISA, RFID systems.
- Developing efficient software systems.
- Want to working with experienced persons.

HOBBIES

- ❖ Listening to music.
- ❖ Reading biographies.
- ❖ Sketching.
- ❖ Martial arts
- ❖ Football.
- ❖ Rock climbing and tracking.

EXTRA CURRICULAR ACTIVITIES

- Rajasthan State Awarded Scout (2001) (PR no. -3928) (Including 17 proficiency badges).
- 16 certificates in different activities e.g. sports, athletics etc.

ABOUT MYSELF

The past few years of my life have introduced me to a broad spectrum of knowledge and provided a solid foundation for innovation and the development of new ideas. Commitment and dedication is what that has shaped my life, and it is the desire to succeed in whatever I do that continuously drives me to strive harder to achieve my goals.

REFERENCES

- College professor is must
- College name
- External professor

Introduction of that person and his/her college or institution.

DECLARATION

I hereby declare that the particulars given herein are true to the best of my knowledge.

Name : Udai Gupta
March, 2007
Place : Jaipur