

HEMANT PUROHIT

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D.o.B. : May 5, 1987

LN Mittal Institute of Information Technology,

LNMIIT, Jaipur, India

hemant.05@lnmiit.ac.in, hemantp.87@gmail.com**OBJECTIVE:**

Seeking an opportunity for undergoing a creative and challenging Summer Research Internship in your esteemed Institute.

ACADEMIC RECORD:

YEAR OF PASSING	DEGREE / CERTIFICATE	INSTITUTE / SCHOOL	PERCENTAGE / INDEX										
Pursuing (Completion by April,2009)	B.Tech (CCE) (Communication & Computer Engg.) <table><tr><th>Semester</th></tr><tr><td>I</td></tr><tr><td>II</td></tr><tr><td>III</td></tr><tr><td>IV</td></tr></table>	Semester	I	II	III	IV	(LNMIIT Deemed University)	(On 10 scale) <table><tr><th>CPI</th></tr><tr><td>8.64</td></tr><tr><td>8.79</td></tr><tr><td>8.79</td></tr><tr><td>8.65</td></tr></table>	CPI	8.64	8.79	8.79	8.65
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2005	Class XII-Sci: CBSE	Central Academy S.H.S. School, Udaipur	79.4%										
2003	Class X :RBSE	Alok S.H.S. School, Udaipur	86.0%										

CPI: Cumulative Performance Index

REAL LIFE PROJECT:

Rajasthan Police Crime Branch Monthly/Annually Reporting System – Online Report Submission, automated Data Analysis System and Monthly Report Generation Software for CID, Crime Branch, Rajasthan Police, India using the cutting edge technologies AJAX, JSP, Servlets, Oracle 10g and JasperReports.

INTERNSHIP EXPERIENCE:

- In the Summer-2007 as an intern, worked in the research area of “**RFID Tag Antenna Design and Optimization of Design Process**” and developed an algorithm for comparison of two antenna designs given the desired Impedance range using the tools IE3D simulation software and MATLAB along with proposing a new antenna design, under the guidance of Dr. A.R. Harish at **Indian Institute of Technology, Kanpur (IITK)**. **Research-work has been submitted for publication in ‘International Journal on Wireless and Communication, Singapore’.**
- In the Summer-2006 as an intern, worked in the research area of Optimization Algorithms for Database and Server Responses and utilized the research in the design of “Rajasthan Police Crime Branch Reporting System” under the guidance of Dr. V. Sinha and Lecturer Himanshu Garg at **LNMIIT** (LN Mittal Institute of Information Technology, Jaipur).

TECHNICAL KNOWLEDGE:

Programming Languages	C, C++, Java, Assembly
Operating System	Linux, Windows XP
Web Applications	JSP, Servlets, JavaScript, AJAX, XHTML, XML
Web Servers	Apache Tomcat
Database	Oracle 10g, PostgreSQL, MySQL
Reporting Tool	JasperReports
Other Tools	MATLAB, IE3D, Multisim, Tkgate

IMPORTANT COURSES UNDERGONE:

- Data Structure and Algorithms
- Computer Organization and Architecture
- Database Management Concepts
- Electromagnetic Theory
- Semiconductor Devices
- Analog Communication
- Signals and Systems
- Graph Theory and Complex Numbers Analysis

Undergoing (5th Semester):

- Computer Networks
- Digital Communication
- Digital Signal Processing
- Probability & Random Processes

KEY ACADEMIC PROJECTS:

- 1.) RFID University Information and Security System, model of Industrial level data management software in the RFID field using the technologies AJAX, JSP, HTML, postgresQL database and Apache Tomcat server using the fast searching algorithms, spring 2007.
- 2.) Designed and developed a scientific calculator using Advanced Algorithms in C Language, October 2006.
- 3.) Developed an emulator for basic mathematical and logical operations of Intel 8085 microprocessor in C language, spring 2006.

OTHER ACTIVITIES:

- 1.) participated in the ICMMCS-2006(International Conference for Mathematical Modeling & Computer Simulations) at LNMIIT,Jaipur
- 2.) Active participation in the management for organizing the Technical & Cultural fest of my institute, VIVACITY-07.
- 3.) Good at Debating and Anchoring, performed in the number of events.
- 4.) Member of Literary Club as well as Chief Editorial Board for Institute's Annual Magazine –'Nth DEGREE'.
- 5.) State Level player in the sports: Badminton and Chess.
- 6.) 5th ranker in the RPET-2005(Rajasthan Pre Engineering Test).
- 7.) 2nd ranker in the state in the National Science Olympiad, 2003-2004.

REFERENCE:

- 1.) Dr. A.R. Harish
Professor, EE Deptt., Indian Institute Of Technology, Kanpur (India)
E-mail – arh@iitk.ac.in

DECLARATION:

I hereby declare that all the information given above is true and take the full responsibility of any objection.

DATE: August 17, 2007

Hemant Purohit
B.Tech Scholar, LNMIIT, Jaipur.
