

# Anshu Gupta

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## Statement of Purpose

I aspire for a creative and challenging internship/project where I can exercise my engineering and interpersonal skills and that gives an opportunity to learn new things and explore future career possibilities.

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## Areas of Interest

- Wireless communication (Analog & digital)
- Signals and Systems.
- Mobile technology
- Robotics
- Knowledge management via Concept mapping

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## Personal Details

*Junior Undergraduate Engineer*  
*Communication & Computer Engineering*  
*Hall I*  
*Laxmi Niwas Mittal Institute of Information & Technology*  
*(LNMIIT)*  
*(Deemed university)*  
*(runs in communion with IIT-Kanpur)*  
*Rupa Ki Nagal*  
*(303012)*  
*Jaipur(raj.)*  
*INDIA*

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## Educational Background

These Are My Educational Qualification till the End of Third Semester

| <u>Certificate</u>            | <u>Institution</u>         | <u>CPI/10</u> | <u>Year</u>      |
|-------------------------------|----------------------------|---------------|------------------|
| Till 3 <sup>rd</sup> semester | <b>LNMIIT</b>              | 8.03          | <b>2007</b>      |
| AISSCE(12 <sup>th</sup> )     | <b>Alwar Public School</b> | 83            | <b>2003-2004</b> |
| AISSCE(10 <sup>th</sup> )     | Alwar Public School        | <b>87</b>     | <b>2000-2001</b> |

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## Projects Undertaken

1. Constructed a **line following Micro Mouse**. The 3 wheeled line tracking mouse was Micro Processor controlled and chases a guiding black line using an IR sensor.
- 2 \*. **Designing a Function Generator** for being used in basic courses at the undergraduate level (in first four seems namely) under **Prof R Sharan**.
- 3\*. **Designing a Power Supply** for being used in the lab at undergraduate level.
- 4\*. **Designing a DBMS** system using PHP and SQL .
5. **Designed and developed an 8085 microprocessor interpreter** to carry out basic arithmetic functions (consisting of looping and logical decisions) at the machine level.
6. **Designed a scientific calculator** based on binary tree algorithm using C language.
- 7.\* Designing a concept map to relate different courses of computer science engineering and communication engineering to help review the existing syllabus of the university.

( \* Projects under pipeline)

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## Relevant Course Highlight

### Professional Courses

Computer Programming C and Java.  
Computer Organization.  
Algorithms and Data Structure.  
\*Data Base Management System.  
\*Discrete Mathematics and Graph Theory.  
Digital electronics.  
\*Digital and Analog Communication.  
Vector Algebra and Calculus.  
Analog Electronics.  
\*Signals and systems.

### Introductory Courses

Communicative English.  
Material Science.  
Electrical Systems and Machines.  
\*Social Aspect of Management.

(\* - to be completed by April 2007)

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## Technical Proficiency

- C om pu ter L angua ges of P roficiency - C , Java
- Softw are T oo ls - MULTISIM 2001, TkGate
- O perating System s - Dos , Windows 3.x/9x/NT/XP , Linux
- D atab ase T oo ls - MySQL ,FOX-PRO

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## Managerial Skills

- V o lunteer at the INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELLING AND COMPUTER SIMULAITON 2007 in Jaipur.
- W as invo lved at organization level in the collage fest "VIVACITY".

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## **Extra Curricular Activities**

Member, Editorial club of Institute's Annual Magazine, "N th Degree"  
Represented my district at the state level swimming competition.  
Finished runner's up at the collage level debate competitions.  
Volunteer at the collage annual fest "Vivacity".

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## **References**

### ***Prof Vishwanath Sinha:***

#### **(Founding Director of the Institute);**

D.Sc. (Electrical Engineering, University of Ljubljana, Slovenia);  
Professor (IIT Kanpur); Former Deputy Director, Dean, Head  
Electrical Engineering and Advanced Center for Electronic  
Systems, at IIT Kanpur; Visiting Professor at Aachen University of  
Technology (RWTH), Aachen, Germany; Swiss Federal Institute of  
Technology (EPFL), Lausanne, Switzerland; University of Puerto  
Rico, Mayaguez Campus, USA; Space Research Institute, Brasil.  
[vsinha@iitk.ac.in](mailto:vsinha@iitk.ac.in)

### ***Prof Raghubir Sharan:***

#### **Distinguished professor LNMIIT**

Ph. D. (Electrical Engineering, University of Waterloo, Canada),  
Post – doc at University of Waterloo; Former Professor, Electrical  
Engineering; Dean, Academic Affairs; Head, Department of  
Electrical Engineering and Advanced Centre for  
Electronic Systems, all at IIT Kanpur; Member of PAC (of SERC)  
of Department of Science and Technology (DST), Founder member  
and Advisor to Samtel Centre of Display Technologies at IIT  
Kanpur  
[sharan@iitk.ac.in](mailto:sharan@iitk.ac.in)

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## **Declaration**

I hereby declare that all the information given above is true to the  
best of my knowledge and belief.

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