

## CURRICULUM VITAE

### OBJECTIVE:

Looking for summer internship in an environment conducive for research , to augment my insight in my area of interest , and to gain a substantial amount of fruitful exposure and technical experience during my undergraduate study period itself.

### PERSONAL INFORMATION:

**Name :** Ishwardeep Singh  
**Date Of Birth:** 12<sup>th</sup> December , 1982  
**Gender:** Male  
**Nationality:** Indian  
**Mailing Address:** Room No. 254,Hall 2 ,IIT Kanpur ,UP ,India - 208016  
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### EDUCATION:

#### *Present:*

3rd Year (6th Semester) in Electrical Engineering  
Indian Institute Of Technology (IIT), Kanpur, India .

**Current CPI: 8.1/10**

#### *High School (2000) :*

Govt. Model Senior Secondary School, Sec 46-D,Chandigarh  
**88.6%**

#### *Matriculation (1998) :*

Govt. Model Senior Secondary School, Sec 35-D,Chandigarh  
**80.6%**

### RELEVANT COURSES DONE/DOING:

<u>ELECTRICAL ENGINEERING :</u>	<u>BASIC SCIENCES</u>
Power Electronics	Linear Algebra
Digital Signal Processing	Quantum Physics
Electromagnetic Fields and Waves	Properties of Materials
Digital Electronics and Microprocessor Technology	Mathematics -I, II and III
Electronic Circuits and Instrumentation	Chemistry
Principles of Communication	Physics –I and II
	Mathematical Statistics

Power Systems Signals and Systems Semiconductors, Devices and Circuits Control System Analysis Introduction to Electrical Engineering Electrical Engineering Laboratory (Laboratory Course) Introduction to Electronic Circuits and Instrumentation Introduction to Biology Bio-informatics and Computational Biology	Thermodynamics  <u>ENGINEERING</u> Introduction to Manufacturing Processes Engineering Drawing  <u>COMPUTERS</u> Fundamentals of Computing ( C language )
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### **AREAS OF INTEREST:**

- Bio-informatics
- Communication and information systems.

### **SUMMER TRAINING / PROJECTS:**

1. Automation Of Configuration Management Systems (Summer 2002):  
Developed at and for Bharti Telnet Ltd. , an India based mobile communication company, this project involved coding in ' Unix Shell ', to automise the alarms received by the company from their various sites throughout India.
2. Project in Networking ( Summers 2001 ):  
In this project an administrator utility toolkit was developed for a Chain of Cyber Café's (Cyber-9) in Chandigarh, and involved networking on the Win-NT platform, and coding in C.
3. Project in Bio-informatics ( Present ):  
Presently doing a project in bio-informatics ,(a field which has interested me immensely) , under Prof. Shankar, Deptt. Of Bio-technology , IIT Kanpur. I'm working on developing software for him, which would help in identifying the role methionine plays in the membrane proteins. I'm preparing a software which finds out from the databases about the various conformations of methionine that are found in membrane proteins, and this would help in interpretation of the role of methionine in the membrane proteins

**PROGRAMMING BACKGROUND:**

Programming Languages : C , C++ , Basic , Perl  
Web Design : HTML, Java Script, JSP, ASP  
Operating Systems : Unix, Linux , Windows 98/NT/2000.  
Hands on : MATLAB , MICROCAP 7 ,PSPICE etc.

**ACADEMIC ACHIEVEMENTS:**

- Secured All India Rank 262 in the IIT-JEE entrance exam conducted in 2000 ( This exam was taken by more than 150,000 students ).
- Secured All India Rank 5 in the Information Test conducted by UNESCO in 1997.
- Was among the top 0.1% students in India in the mathematics exam conducted by CBSE in 1998.

**EXTRA-CURRICULAR ACTIVITIES:**

- Captain of the school table-tennis team for two years.
- Enthusiastic about adventure sports like rock climbing , river rafting etc
- Avid music enthusiast (especially Indian classical instrumental).
- Member of a US based social welfare NGO named FATEH (Fellowship of Activists To Embrace Humanity)

**PERSONAL DETAILS**

Born on December 12,1982, I am a tall, energetic young man with a pleasing personality and excellent interpersonal skills. Keenly interested in sports and music, I have a special zeal for social welfare activities. After completion of my B.Tech., I plan to pursue career on the above or related fields of endeavour; and I sincerely hope that someday I'll be able to contribute something - however little might it be - to the mankind's interpretation and understanding of mother nature.

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