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## Objective

Technical position requiring a background in Computational Aspects in Mechanical Engineering.

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## Education

Degree	Institute	Area of Study	Grades	Completion
Bachelor of Technology	Indian Institute of Technology, Delhi	Production and Industrial Engineering	8.245/10	May 2004 (expected)
All India Senior School Certificate	Mothers International School, Delhi	English, Mathematics, Physics, Computers, Chemistry	86.4%	2000
All India Secondary School Certificate	Mothers International School, Delhi	English, Science, Sanskrit, Social Science, Mathematics	86.6%	1998

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## Academic Awards and Honors

### Secured All-India 1<sup>st</sup> rank, Production and Industrial Engineering

Graduate Aptitude Test in Engineering (GATE), 2004

### Third best project among Senior Secondary students of Delhi

Children Scientists Award Programme, 2000

### 80% Marks

First Level Mathematics Olympiad Contest, 1997

### 4<sup>th</sup> rank

Junior Mathematics Olympiad (Delhi), 1996

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## Project Work

**Title of Dissertation:** Design of optimum structures for topology and shape using parallel computing (in-progress)

Supervisors: Dr. C.V. Ramakrishnan & Dr. Kshitiz Gupta

**Mini Project:** Design and Analysis Integration between AutoCAD and ANSYS packages, for 2D plane stress and strain cases + Specialization for design of spanners

Supervisor: Dr. P.V. Madhusudan Rao

### Course Projects include

Design and manufacture of a prototype die for manufacture of catalytic converter

Supervisor: Dr. Naresh Bhatnagar

Development of a tool path simulation for 2½-axis CNC milling machine

Supervisor: Dr. P.V. Madhusudan Rao

Development of a basic CAD program

Supervisor: Dr. C.V. Ramakrishnan

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## **Vocational Training**

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**Reliance Industries Limited, Hazira Manufacturing Division, Surat, India**

Observation: Study of mechanical maintenance organization at Hazira

Project work at the Poly Vinyl Chloride (PVC) Plant on **line-balancing of PVC bagging process**

Duration of Training: 2 Months

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## **Memberships**

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Active member, Society of Automotive Engineers, IIT Delhi

Active volunteer of National Service Scheme

Done a basic level course on Art of Living

Member, World Wildlife Fund

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## **Computer Skills**

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### **Languages**

Proficient in programming in C++ and Java

Familiar with Virtual LISP, MPI programming for C++

### **Packages**

CAD/CAM: Pro Engineer & Manufacturing, ANSYS, AutoCAD, IDEAS, NISA

Other Engineering Software: Mat LAB

### **Awards and Achievements**

#### **Third Prize**

Swat the Bug Debugging Contest, Exun'99, DPS, R. K. Puram, New Delhi

#### **Activity Head**

Bug the Bug Debugging contest, Tryst'02, Technical Festival – IIT Delhi

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## **Interest and Hobbies**

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### **Lightning Chess**

Won the 2<sup>nd</sup> and 1<sup>st</sup> prizes at Rendezvous (IIT Delhi cultural festival) 2000 and 2001 respectively

### **Web Designing**

Two personal websites and a website for the course on Kinematics and Dynamics of Machinery

Have the knowledge of HTML, JavaScript & CSS

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