SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 95** among 27,000 students in Cyber Olympiad 2009 conducted by Science Olympiad Foundation
- Awarded **School Topper** medal for performance in National Science Olympiad 2009 conducted by Science Olympiad Foundation and secured All India Rank **232** among 55,000 students
- Secured **All India Rank 135** in Unified Cyber Olympiad 2007 conducted by Unified Council
- Secured **All India Rank 2723** in IIT **Joint Entrance Exam**-2011 amongst 470,000 aspirants
- Secured **All India Rank 2109** and **State Rank 178 (Uttar Pradesh)** in **AIEEE**-2011 amongst 1 million aspirants
- Secured **All India Rank 26** in Award of Excellence Test 2006-07 conducted by Aryabhatta Education

KEY INTERNSHIPS UNDERTAKEN

Summer Internship at Creative Concepts   [May-July 2012]

- Created a Complain Management System that receives complains through mobiles, tablets, computer etc. in the form of email with photos as attachment
- The software also sends auto-reply , redirects complains to the respective departments and also saves and sends report to complainer regarding the action intended to be taken about the complain
- Applauded by newspapers like **TOI** and **HT** for the application that helps in e-governance

Winter Internship at Taxspanner   [Dec 2011]

- Learned the various uses of Salesforce CRM software and gave feedback to determine if the software is beneficial to increase sales and hence should be purchased by the company

KEY PROJECTS UNDERTAKEN

Indian Road Traffic Simulator   [Sep-Nov 2011]
Guide: Prof. Varsha Apte

- Designed a simulator showing vehicles travelling on a Indian road and implemented various event such as car following ,braking , overtaking etc.
- Also implemented an algorithm for signal time adjustment according to the traffic density in each lane

Rubik's Cube Solver – Team Leader   [Jan-Apr 2011]
Guide: Prof. Amitabha Sanyal

- Designed an application using **DrRacket** that solved Rubik's cube while showing the steps
- Designed a three dimensional graphical user interface for the same using OpenGL Graphics Library

Intel 8085 Simulator   [Aug-Nov 2010]
Guide: Prof. D.B Phatak

- Following object oriented programming developed an Intel 8085 simulator, compiler, debugger which could show every execution step, hexadecimal conversion of its code and its effect on Microprocessor's registers
- Developed using Qt4 GUI libraries in GNU C++ 4.4.5

RELEVANT COURSES

Computer Science

- Computer Programming and Utilization
- Abstractions and Programming Paradigms
- Data structures and Algorithm
- Discrete Structures
- Automata Theory
- Logic Design
- Algorithm Design
- System Software Lab
- Logic Design Lab
- Computer Architecture
- Database and Information Systems
- Computer Networks
- Computer Aided Geometric Design

Mathematics

- Calculus
- Linear Algebra
- Differential Equations
- Numerical Analysis

COMPUTER SKILLS

- Programming languages: C/C++, PLT-Scheme/Racket, Java, JSP, Assembly language
- Scripting Languages: JavaScript, PHP, MySQL, HTML/CSS, JavaScript, Sed, Awk, Latex
- Tools & Applications: Qt Creator, Dreamweaver, Netbeans IDE, Eclipse IDE
- Operating Systems: Windows, GNU/Linux
- Others: OpenGL Library, Geolocation API, Google Maps API, JavaMail Library

KEY POSITIONS OF RESPONSIBILITY

Cultural Councilor, Hostel 8
- Responsible for organization and management of all cultural activities in the hostel
- Tasks involve holding workshops, practice sessions, fun events etc. related to genres including Dramatics, Fine Arts, Photography, Film Making, Debating etc. to maintain a culturally healthy atmosphere

Social Secretary, Hostel 8
- Responsible for organizing social events in the hostel
- Tasks involve celebration of all festivals throughout the year and create enthusiam amongst people to participate in them

EXTRA CURRICULAR ACTIVITIES

Sports:
- Represented school in CBSE Haryana State level Table Tennis Competition
- Completed a one year advanced training course in Basketball organized by **NSO**
- Completed a one month course in Indian exercises including Yoga, Malkhamb and Dumbells organized by Hanuman Vyayam Prasarak Mandal Amravati and was awarded 2nd position in the course

Cultural:
- Won 3rd prize in Inter Hostel Dram Competition playing lead role
- Secured 3rd position at the state level in Haryana state level group song competition

Technical:
- Built a remote controlled all terrain car, securing 5th position among 90 odd teams
- **Certified Yahoo Ethical Hacker** for creating a hack that calculates autorikshaw/taxi fare by tracking user's location and also provides navigation guidelines by the means of a map