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## Academic Achievements:

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- Ranked **1,418th** in **IIT JEE 2008** (Joint Entrance Examination for IIT), with a percentile score of **99.5th percentile**.
- Ranked **1,313th in India** and **25th in Gujarat State** in **AIEEE 2008** (All India Engineering Entrance Examination).
- Ranked **2nd in India** in **NCO 2005-06** (National Cyber Olympiad) and **4<sup>th</sup> in India** in **NCO 2007-2008**.
- Am currently pursuing an **Honours Degree** in Civil Engineering.

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## Industrial Experience/ Internship:

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- **Larsen and Toubro Ltd. (June to July 2010):**

*Mumbai International Airport Project:*

- Completed my practical training in Larsen & Toubro Ltd. at the Mumbai International Airport Project for a period of five weeks, where I got trained in departments like Structural Design, Execution, Planning, Quality Control, Safety and Procurement.
- Larsen and Toubro is currently the biggest construction firm in India. Mumbai International Airport Project is approximately a 1.2 billion US\$ project.

- **Wayne State University, Detroit, USA (May to July 2011):**

Guides: Dr. Tapan Datta, Dr. Timothy Gates and Dr. Peter Savolainen (Department of Civil Engineering, Wayne State University)

*Impact and Evaluation of Non-Freeway Rumble Strips:*

- Collected data for the noise emission, behavior of the vehicle and pavement surface quality for the evaluation of the rumble strips.
- Analysed the data and checked the effectiveness of the rumble strips.
- Pinpointed various problems caused by the rumble strips and gave solutions for the mitigation of the problems.

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## Important Projects:

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- **Senior Undergraduate Thesis (July 2011- present):**

Guide: Dr. Siddhartha Ghosh (Department of Civil Engineering, IIT Bombay)

*Seismic Analysis of masonry structures:*

- Analysed the behavior of various masonry structures like arches and domes under static and dynamic loading conditions that they might experience during an earthquake using the Finite Element Analysis software ABAQUS.

- **Course Project (September 2008):**

Guide: Prof. A. Ranade, Department of Computer Science and Engineering, IIT Bombay

*Ping-Pong game:*

- Created an arcade game of ping pong in C++ with player v/s player and player v/s computer modes. Implemented an AI (Artificial intelligence) with user-selectable skill level for the AI.

- **Course Project (March 2011 to April 2011):**  
Guide: Prof. Gopal Patil (Department of Civil Engineering, IIT Bombay)

*Comparison of normal interchange and diamond interchange:*

- Using the computer simulator software VISSIM, I gave a detailed comparison of the effectiveness of a normal interchange and a diamond interchange for a four forked, four lane intersection.

- **Course Project (October to November 2009):**  
Guide: Prof. M.J. Reddy, Department of Civil Engineering, IIT Bombay

*Regional Analysis of Rainfall:*

- Analysed the regional rainfall and flood frequency in a few parts of India using various probabilistic and statistical methods.

- **Course Project (November 2010):**  
Guide: Prof. S. Asolekar, Department of Environmental Science and Engineering, IIT Bombay

*Refrigeration and Air-conditioning in IIT Bombay:*

- Gathered the data of the consumption of electricity by the refrigeration and air-conditioning units in the academic area of the campus. After analysing the data, provided a few ideas for the reduction of the electricity consumption.

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## Computer languages and softwares:

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- **Languages:** C/C++ and Visual Basic.
- **Softwares:** Mathematica, Photoshop CS4, MS Office, E-Tabs, Primavera, Microsoft Project, Scilab, ABAQUS and SAP.
- **Operating Systems:** Windows and Linux.

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## Positions of Responsibility:

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- Was the **leader** of the **Quality Circle Group** of the school which participated in the **Quality Circle Forum of India (Baroda Chapter) Annual Convention** in 2002.
- Was the **Vice Prefect** of my house in school for the year 2003-2004.
- Worked as a **Co-ordinator** in the **Corporate Relations** Department in **E-Cell** for **The Entrepreneurship Summit 2010**.
- Worked as a **Co-ordinator** in the **Informals** Department in **Mood Indigo 2009**.

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## Sports:

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- Was part of the school **Chess team** which stood **8<sup>th</sup>, 8<sup>th</sup> and 10<sup>th</sup>** in successive years in **Open Gujarat Inter School Chess Championship**.
- Ranked **14<sup>th</sup>** in **Baroda city** in **Multimodes Chess Competition**.
- Was part of the team that **won** the **Institute Football League** in 2009.

- Represented my school in **district level Football and High Jump competitions.**
- Was awarded the **Hostel Special Mention for Sports** for the contribution in **various sports events.**
- Was part of the hostel team that secured the **2<sup>nd</sup> place** in **Water Polo GC** in IIT Bombay in the years 2010 and 2011.

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**Cultural:**

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- Was part of the team that secured the **3<sup>rd</sup> position** in the **General Quiz** of the **1<sup>st</sup> IIT Bombay- Bombay Quiz Club Open Quiz Championship.**
- Was part of the team that secured the **2<sup>nd</sup> position** in the **Open Pot Pourri competition** in IIT Bombay in 2008.
- Won the **1<sup>st</sup> prize** in the **CivIQ quiz** competition (A quiz competition which tests **civil engineering knowledge and logic skills**) in **Aakaar 2011** and **2<sup>nd</sup> prize** in **Aakaar 2010**, the Civil Engineering Department Festival at IIT Bombay.
- Won the **2<sup>nd</sup> prize** in the **General Quiz** competition at **Manzar 2010**, the college festival at ICT, Bombay.

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**Other activities/achievements/hobbies:**

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- Was awarded '**The Best Student of the Year 2005-2006**' in school.
- Can type at **65 words per minute.**
- Can read and understand **basic level German.**
- Am very enthusiastic about **reading books, playing sports, trekking, photography and listening to music.**