



# Ankit Tak

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## EDUCATION

Course	Institute	Completion	Performance
Dual Degree in Computer Science and Engineering	Indian Institute of Technology, Kharagpur	2011	6.21 (8 <sup>th</sup> semester)
XII (CBSE)	Modi Public School, Kota	2006	78.6% (92% in math and physics)
X (ICSE)	St. Mary's High School, Mount Abu	2004	81.3%

## SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of 475 in IITJEE 2006.
- Secured an All India Rank of 590 in AIEEE 2006.

## PROJECTS

- Construction of Cryptographic Systems resilient to Side Channel Attacks.(M. Tech. project)  
Supervisors: Prof. Rajat Chakraborty and Prof. Debdeep Mukhopadhyay.  
Description: Finding a relation between robustness of cryptographic systems against side channel attacks and properties like resiliency of Boolean functions used in their ciphers. Subsequently presenting a theory for construction of robust cryptographic systems.
- Searching for Active server pages. (running)  
Supervisor: Prof. Pallab DasGupta.  
Description: Modeling the working of active search pages and subsequently delivering an implementation and integrating it with a present search engine so as to include active pages in search results. This project is part of a larger project(work) on semantic web sponsored by Google.

## INTERSHIPS

- Technical University of Vienna, Vienna. May-July, 2009  
Supervisors: Prof. Eduard Groller, Mr. Muddassir Malik  
Worked in the field of 3D data visualization. I added and tested new features on a volume renderer developed at the university which would allow the user to sample multiple volume data simultaneously thereby substantially increasing its visualization capabilities.
- University of Karlsruhe, Germany. May-July, 2008  
Supervisor: Mr. Roland Unterhinninghofen  
Worked on a software developed at the department called mediframe that used MRI scan data to render visualizations of blood flow in the heart. I worked on adding a feature that would render blood flow as movement of particles instead of streamlines. This helps analyze the flow better.

## TECHNICAL SKILL SET

- Programming: C, C++ , Java, Python , OCaml, Gprolog , php, sql, Flex, Bison, Qt, Verilog HDL , MIPS, X86-64.
- Software: Microsoft Visual Studio, Netbeans, Matlab.
- Exposed to Windows , Linux and Solaris

## EXTRA-CURRICULAR ACTIVITIES

- Member of Inter Hall Football Team. Won gold in 2008.
- Member of Inter Hall OpenSoft Team.(Software design competition). Won bronze in 2008.
- Was chess champion of my school.(2004)
- Was active in various sports throughout school.(cricket , athletics, football).
  - Stood third in school in cross country.(10 km.)(2004)
  - Represented school in cricket.(2004)