

CHIRAG THAKER (07EC1028)

D-108 Patel Hall, IIT Kharagpur, W.B. 721302 | DOB: 04-01-1990 | Email Id: chiragthaker@gmail.com | Ph:+91 9564090231



EDUCATIONAL QUALIFICATION

Degree/Certificate	Completion	Institute	CGPA/%	Rank
B.Tech.(H) in Electronics & Electrical Communication Engineering	2011	Indian Institute of Technology, Kharagpur	8.51/10	12 in class of 40
Standard XII (Gujarat Board)	2007	Asia School, Ahmedabad	93.00%	State Rank 6
Standard X (Gujarat Board)	2005	Asia School, Ahmedabad	92.14%	3 in class of 200

ACADEMIC ACHIEVEMENTS

- **State Rank 6** in **Standard XII** examination conducted by Gujarat Secondary Education Board, 2007
- Received **letter of appreciation** from **Chief Minister Mr. Narendra Modi**, for excellent academic performance, 2007
- Merited selection for **Indian National Mathematics Olympiad (INMO)** for **two consecutive years**, 2006 and 2007
- **1 out of the 3 Dhirubhai Ambani Merit Scholar** chosen for exceptional academic performance among 10,000 students in Ahmedabad, 2007
- All India Rank 526 in IIT-JEE '07 among 2.5L students
- All India Rank 317 in AIEEE'07 among 4L students; received **CBSE scholarship** for outstanding performance in the same
- Successfully made working prototypes of 3 robots under Kharagpur Robotics & Artificial Intelligence Group-KRAIG, 2008

INTERNSHIPS AND PROJECTS

- Philips Research Asia, Bangalore May 2010 - July 2010
- Designed novel algorithm for Ultrasound Image Segmentation using **Statistical Distributions** and **CRFs**
 - Increased accuracy from **80% to 95%**; Algorithm **under implementation** in ultrasound machines for fetus auto-detection
- BARC, Mumbai (Department of Control & Instrumentation) May 2009 - July 2009
- Simulated platform, using **Visual Basic**, to remote control **5 different robots** customized for nuclear material handling
 - **Reduced hazards** caused to the operator during material handling; Platform **included in nuclear research** program
- School of Medical Science and Technology, IIT Kharagpur May 2010 - present
- Ongoing project work on making a brain controlled device using anticipation potential in biomedical signals
 - On completion, device will be capable of anticipating actions, like that of scrolling down a page in a text document

RELEVANT COURSES TAKEN

- Probability and Stochastic Processes
- Matrix Algebra
- Soft Computing Tools
- Cryptology and Network Security

Computer Languages/Tools: C, C++, Visual Basic, Matlab, Pspice, Mathematica

POSITIONS OF RESPONSIBILITY

- Head, Core Team, Kshitij 2010, the Annual Techno-Management fest of IIT Kharagpur Apr 2009 - Mar 2010
- Spearheaded a team of **150+ members** including core team members, event heads, subheads & volunteers
 - Solely responsible for end-to-end conceptualization and organization of **8 major technical events** & 2 pre-fest events
- Events include newly introduced **ASME Student Design Contest**; Nirmaan & Nightshift–recorded **2000+ participants**
 - Organized **Gram Pragati – a social case study** in collaboration with **GE** on improving education scenario in rural India
- Member, Core Team, Kshitij 2009 July 2008 - Mar 2009
- Responsible for smooth conduction of **6 out of 24** events during the fest and successful media collaborations
 - Framed the problem statements of events Nirmaan and Nightshift, which **got certified by Institution of mechanical Engineers (IMEchE)**, a reputed organization in the field of mechanical engineering
 - Conducted a Robotics and glider making workshop in Jaipur which saw **participation of 400+ students**
- Event Coordinator, Institution of Mechanical Engineers (IMEchE), Kharagpur Chapter Apr 2009- Present
- Established the first ever student chapter of IMechE, England in India at IIT Kharagpur
 - Organized Competitions & workshops in 6 cities in India with a total footfall of 2000 students & budget worth INR 2L
- Current posts: Steering Committee Member, Kshitij 2011
Captain, Inter Hall Lawn Tennis team, Patel Hall, 2010-present

EXTRA CURRICULAR ACTIVITIES

- Represented Ahmedabad city at **Gujarat state level Tennis tournaments**, 2003
- Won **silver and bronze medals** at Inter hall Tennis tournaments at IIT Kharagpur ,2008 and 2009 respectively
- Won Inter School dumb charades competition organized by **Indian Express** at the **district level**, 2002
- Awarded as the **Best Student of the Year** in Asia English School, Ahmedabad, 2007
- Part of Inter Hall Hardware Design team, Patel Hall of Residence, IIT Kharagpur for the Year 2009 and 2010
- Trekged at Manali, Mt Abu, Panchmarhi and Jayalgarh which included activities like white water rafting (grade: 4), kayaking, rock-climbing, rappelling, river crossing and bridge slithering.