Harsh Thakur

Third Year Undergraduate

Department of Computer Science and Engineering

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EDUCATIONAL QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI / %
2016-Present	B.Tech.	Indian Institute of Technology, Kanpur	7.0*
2016	XII	D.A.V. Public School, B.S.E.B. Colony, Patna (CBSE)	95.0%
2014	X	D.A.V. Public School, B.S.E.B. Colony, Patna (CBSE)	10

KEY SCHOLASTIC ACHIEVEMENTS

- **All India Rank 145** in JEE Advanced 2016 among 200 thousand selected candidates.
- **All India Rank 588** in JEE Main 2016 among 1.2 million candidates
- All India Rank 257, **KVPY Fellowship Award 2015** by the Department of Science and Technology, Government of India.
- Awarded the **NTSE Scholarship 2014** by the Government of India.
- Cleared the **National Standard Examination in Physics** by **IAPT** in 2016 and was evaluated as **Statewise Top 1%.**
- Cleared the **National Standard Examination in Chemistry** conducted by **ACT** in 2016**.**

AREAS OF INTEREST

- Algorithms and Data structures.
- Mathematics : Probability, Statistics, Number Theory, Graph Theory.
- Machine Learning

RELEVANT COURSEWORK

- Fundamentals of Computing
- Computational Cognitive Science*
- Blockchain Technology*
- Introduction to Software Engineering*
- Introduction to Machine Learning

- Data Structures and Algorithms
- Randomized Algorithms
- Logic in Computer Science

- Introduction to Electronics

- Linear Algebra

- Discrete Mathematics
- Probability and Statistics
- Multivariable Calculus

- Abstract Algebra

- Introduction to Microeconomics
- Computer laboratory

*ongoing

TECHNICAL SKILLS

Programming Languages: C, C++, Python, MATLAB, GNU Octave, HTML, CSS

Scripting : bash, awk

Utilities and Softwares: Linux Shell Utilities, LaTeX, Git, vim , AutoCAD, Office softwares

Operating System: Linux (Ubuntu), Windows, MacOS.

PROJECTS

Model Ship

Course Project under Dr. Shobit Omar

Wheelchair with utilities

Course Project under Dr. J.R. Ramkumar

Median Finding Randomized Algorithm

Course Project under Dr. Surender Baswana

Zero Shot Sketch Based Image Retrieval

Course Project under Dr. Piyush Rai

POSITIONS OF RESPONSIBILITY

General Secretary, Media and Cultural Council (Acting)

(May 18 - June 18, 2018)

- Overall in-charge of activities concerning Media and Cultural Council, IIT Kanpur.
- Ensured smooth conduction of all the workshops by coordinating with different clubs and the administration.

Coordinator, Hindi Sahitya Sabha, IIT Kanpur

(April 2018 - present)

- Conducted 'Antarang', the annual workshop of Hindi Sahitya Sabha with Mr. Hussain Haidry and Mr. Aqib Sabir as the chief guests. Garnered support from Hindi Cell, IIT Kanpur and Ek Bharat Sreshtha Bharat scheme of Government of India.
- Led a two - tier team of coordinators and secretaries totalling about 40 members.
- Organised and taught in Hindi Learning Classes for campus junta.
- Playing central role in the creation of 'Parchhaiyan', a web series in association with Film Club, IIT Kanpur.
- Participated in Inter IIT Cultural Meet.

EXTRA-CURRICULAR

- **Won** Kodefest, a competitive programming contest by programming club in Takneek'17.
- **Won** HSS trophy in Galaxy'17, an interhall cultural competition.
- **Won** Robotricks in Takneek'16, an interhall technical competition.
- Participated in ACM ICPC 2017.
- Qualified for the Elimination round of **CodeChef SnackDown 2017** and won a domain name from Radix Registry.
- Attended **Vijyoshi Science Camp, IISER Kolkata** organised by **KVPY, INSPIRE, DST and IISER Kolkata.**
- Running **Zahid Ki Talkhiyan**, a poetry blog on facebook.