

# Rahul Kumar Tiwary

3rd Year Undergraduate

Department of Computer Science and Engineering

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## Academic Qualifications

Year	Degree	Institute	Result
2018 - Present	B.Tech	Indian Institute of Technology Kanpur	CPI: 8.6
2018	Senior Secondary	Jamshedpur Public School, A.I.W.C (CBSE)	94.6%
2016	Secondary	Jamshedpur Public School, A.I.W.C (CBSE)	CGPA: 10.0

## Scholastic Achievements

- Received **Academic Excellence Award** at IIT Kanpur for the academic session 2018-19 odd semester
- Secured an **AIR-122** in IIT – Joint Entrance Examination Advanced 2018 amongst about **0.2 million candidates**
- Secured an **AIR-22** in IIT – Joint Entrance Examination Mains 2018 with a score of **335/360** and emerged as the **State Topper** with a national participation of approximately **1.1 million candidates**
- Secured **AIR-432** in Kishore Vaigyanik Protsahan Yojana (KVPY) 2016 aimed at encouraging students to take up research careers in the area of basic sciences
- Secured **State Top 1%** in National Standard Examination in Junior Science(NSEJS) 2014

## Experiences and Interests

- Skills:**
  - Competitive Programming:* Codeforces-**Expert**(Currently **1624**), Codechef-Current **4 star(1835)**
  - Machine Learning, Deep Learning, Reinforcement Learning*
- Languages:** C/C++, Python, SQL, MATLAB, HTML5, CSS, Javascript, Bash, LEXX, YACC
- Utilities:** Numpy, NodeJS(Express), Matplotlib, AutoCAD, Autodesk Inventor, L<sup>A</sup>T<sub>E</sub>X

## Relevant Coursework

Data Structures and Algorithms	Discrete Mathematics	Computer Organization
Fundamentals of Programming	Real Analysis and Calculus	Introduction to Electronics
Machine Learning(Coursera)	Logic for Computer Science	Computational Methods
Linear Algebra and Ordinary Differential Equations	Introduction to Mechanics/Electrodynamics	Deep Learning and Neural Networks(Coursera)

## Positions of Responsibilities

- ACADEMIC MENTOR** (Aug'19-May'20)
  - Providing Academic support to students in **MTH101/102(Real Analysis and Advanced Calculus/Linear Algebra and Ordinary Differential Equations)** by conducting remedial classes, one-to-one mentoring and doubt classes
  - Designing study material to be discussed in the classes conducted by the **COUNSELLING SERVICE**
- JUNIOR EXECUTIVE, TOSC** (Sep'18-Oct'18)
  - Served as a Zonal Manager in **Techkriti Open School Championship(TOSC)**
  - Helped smooth conduction of the exam in my hometown Jamshedpur for the very first time which witnessed a staggering participation of about 500 participants.

## Extra-Curriculars

- Stood **1st in Essay Competition** organized by Tata Steel on how to practice sustainable development and conserve energy
- Received Certificate of Excellence for the **PCRA Fuel Saving League** organized by the Ministry of Petroleum and Natural Gas, Government of India in 2015
- Participated in Helix(2015), a city level Mathematics competition, and bagged the **3rd position** overall.
- Participated in H2PL(Hall 2 Cricket Premier League) and reached upto the semifinals.
- Represented school for Inter School Quiz Competitions and won many as well