# Rushab Munot

2nd Year Undergraduate,

Computer Science and Engineering,

IIT Kanpur

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## QUALIFICATIONS

| Educational Qualification | Institution | Year of passing | CPI/Percentage |
|---|---|---|---|
| B. Tech* | Indian Institute of Technology, Kanpur(2014 onwards ) | Present | **10.0** |
| HSC (+2) (Maharashtra State Board) | Abasaheb Garware Junior College, Pune | 2014 | 90.76 |
| SSC (Std 10) (Maharashtra State Board) | St. Vincent's High School, Pune | 2012 | 93.83 |

## SCHOLASTIC ACHIEVEMENTS

- Obtained an **SPI of perfect 10,** in all the three semesters, received an appreciation letter from institute twice for the same
- Secured a **rank of 565** in IIT JEE Advanced, 2014
- Secured **rank 1** in the Centralized Admission Process, Directorate of Technical Education, Maharashtra State Board, 2014
- Secured a **rank of 559 (Percentile score 99.54)** in JEE Mains, 2014
- Secured a place among the **top 1%** in the Higher Secondary Certificate Examination (class 12), Maharashtra State Board, 2014
- Qualified for the **Indian National Informatics Olympiad** by selection through the **Zonal Informatics Olympiad**, 2012-13
- Secured **rank 20** in the **Regional Mathematics Olympiad** (RMO 2), Maharashtra and Goa Region, 2011-12 and qualified for the **Indian National Mathematics Olympiad**, 2012
- Qualified with an **all India rank of 24** for Technothlon, an event in Techniche, IIT Guwahati in Std 10
- Was among the 40 selected students from Pune city**,** who qualified for the **Infosys – Catch Them Young** workshop for 2 weeks at the Infosys Pune Campus (Phase 1), 2010
- Awarded the **'Modern Bookstall Trophy'** from St. Vincent's High School for the best scholar for Std 8, Sept. 2010
- Secured a **rank of 34** in the **Maharashtra State Board High School Scholarship Examination** in Std 7, 2009

## PROJECTS

**ESC101 Course Project** - **Basic Model for Extractive Summarization- 2nd Semester, 2014-15**

**Dept. of CSE, IITK (Course Instructor: Amey Karkare)**

**Aim:** Reducing the length of a Wikipedia article by deleting unwanted sentences using Natural Language Processing tools.

**Techniques used:** Every sentence was assigned a weight, in its reduced form (i.e. without verbs, prepositions, conjunctions, articles, etc.)

Weights were assigned based on various factors which included frequency, location of sentences, occurrence of proper nouns, presence of title and subtitle words, occurrence of synonyms or related words, presence of proper nouns, etc.

The project was offered to about **20 out of 420 students** in the class on the basis of a selection test

**Language and platform:** Java, Eclipse

## Two Sound Separation – Summer Project, Programming Club, IIT Kanpur, Summer 2015

**Aim:** Separating two sounds from a superimposed signal of two voices.

**Study involved:** Principal Component Analysis, Independent Component Analysis and their implementation

**Tools used:** Matlab, fastICA algorithm packages

## TA201 Course Project-3$^{rd}$ Semester, 2015-16

## Dept. of Materials Science and Engineering Department, IIT Kanpur (Course Instructor: Anish Upadhyay)

A working model of a windmill powered pump for ground water extraction using basic manufacturing techniques like welding, brazing, casting, etc.

## Relevant Courses:

| | |
|---|---|
| Introduction to Computing | Abstract Algebra |
| Mathematics 1 –Single and Multi variable Calculus | Logic |
| Mathematics 2 –Linear Algebra | Introduction to Electronics |
| Discrete Mathematics | Computational Methods in Engineering |
| Logic and Philosophy (HSS) | Probability and Statistics* |
| Computer Organization* | Data structures and Algorithms* |
| *Ongoing Courses | |

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Java, Matlab, Python, HTML, Visual Basic and Macros, Verilog

**Platforms:** Windows, LINUX

**Others:** Adobe Photoshop

## POSITIONS OF RESPONSIBILITY

**Vice President of Helpline, Kanpur City, BloodConnect Organization**

BloodConnect is an NGO working in the field of voluntary blood donation.

Started working with Raktarpan and BloodConnect Organization through NSS, IIT Kanpur in August 2014. Obtained the post of vice president in February, 2015.

In helpline, the work involves handling blood requests by providing blood from a blood bank, or finding people willing to donate, handling emergencies as well as coordinating with other team members to ensure orderly and timely fulfillment of requests.

Other activities in BloodConnect include organizing blood donation camps and conducting social awareness drives, raising funds, etc.

In Kanpur, BloodConnect worked with Amar Ujjala newspaper for quite some time.


**Secretary, Fine Arts Club, IITK**

Holding this post since March 2015. The work involves organizing and coordinating various activities of the Fine Arts Club.

Participated in Rendezvous, IIT Delhi (2014 and 2015) and Antaragni, IIT Kanpur (2016) representing IIT Kanpur through the club.

Had my paintings put up in Fine Arts exhibition of Antaragni '14 and '15, and an event painting of Rendezvous '14 put up in the exhibition at Rendezvous '15, IIT Delhi.


**Senior Executive, Fine Arts Events, Antaragni 2015**

Helped in conducting, organizing and ensuring the smooth flow of various events organized under the 'Fine Arts' category during Antaragni '15.


**HOBBIES AND INTERESTS**_____

- **Painting and Sketching**

  Have a keen interest in sketching and painting, especially crafting traditional miniature designs using pens/poster colours, canvas and oil painting, etc. Love to create new styles and blend different art forms. Obtained **grade A** in the **Maharashtra State Elementary Examination** in Arts in 2009


- **Photography**

  Have a keen interest in wildlife, nature and object photography, especially shooting and capturing the ambience in common objects, and splendid photography.


- **Wildlife and observing behavior of animals**

  Have a keen interest in studying and observing the behavior of animals, especially cats and big cats. Have visited numerous sanctuaries and national parks including Bandhavgadh, Ranthambore, Melghat, Jim Corbett National Park, etc.

- **Music**

    Though not proficient in playing the synthesizer or the guitar, would be an avid learner when the chance arises. Love to appreciate the music in songs depicting ancient and medieval glory.


- **Other Activities**

    Like playing chess and was an active player in school. Swim for exercise and play badminton for fun. Love reading Historic Fiction.