

# Devanshu Somani

Second Year Undergraduate  
Computer Science and Engineering  
Indian Institute of Technology, Kanpur

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## ACADEMIC DETAILS

Educational Qualification	Institute	Year	Performance
B.Tech, <i>Computer Science and Engineering</i>	IIT Kanpur	2020(Expected)	8.6 / 10.0
Intermediate - CBSE	Sarvodaya Sr. Sec. School, Kota, Rajasthan	2016	94.8%
High School - CBSE	WVM, Kutch, Gujarat	2014	10.0 / 10.0

## SCHOLASTIC ACHIEVEMENTS

- Secured an **All India Rank 117** in **JEE Advanced 2016** among 2,00,000 candidates
- Secured an **All India Rank 369** in **JEE Main 2016** among 14,00,000 candidates
- Selected for the prestigious **KVPY** scholarship in 2016, in stream SX with an **All India Rank 249**
- Ranked among the **National Top 1%** of **NSEP '16** and was selected for **InPhO '16**

## PROJECTS

- Android Development** *Association of Computing Activities, CSE Department, IIT Kanpur | Jan'17 - May'17*
  - Built **internal databases** in android applications which was able to **save and edit data offline**
  - Worked on **android notifications, threads, fragments** and **shared preferences**
  - Developed interaction between different **Java classes** and **XML** files that run an android application
- Object Lifting Mechanism** *Prof. Shobit Omar | Aug'17 - Present*
  - Devised a working model of **Cam Mechanism** used in various programmed operations
  - Built a fully functional device capable of **transforming rotary motion into linear motion**
  - Compiled **business plan, marketing brochure**, and **cost analysis** for the product
  - Created the project under the course of Manufacturing Processes - 1 (TA201)
- Placement Algorithm - Graph Theory** *Prof. Harish Karnick | Oct'17 - Present*
  - Worked on the **job placement system** as its equivalent problem in **graph theory**
  - Created a system which would also **include the students' priority order for jobs**
  - Aimed to develop an algorithm that would **take care of both the students' priority list** as well as the **job's priority list** before assigning the jobs to the students

## TECHNICAL SKILLS

- Programming/Scripting Languages:** C | C++ | Java | Python | PHP | HTML | CSS | JavaScript | MySQL
- Tools/Utilities:** Android Studio |  $\LaTeX$  | Matlab | Adobe Photoshop | Adobe Premier Pro | AutoCAD
- Operating Systems:** Windows | Ubuntu | Mac Os Sierra

## COURSEWORK

Data Structures and Algorithms*	Computing Laboratory*	Computer Organization*
Discrete Mathematics	Abstract Algebra	Introduction to Mathematical Logic
Fundamentals of Computing	Probability and Statistics*	Introduction to Electronics

\* - Ongoing Courses

## POSITIONS OF RESPONSIBILITIES

- **Senior Executive** (Entrepreneurship Cell, IIT Kanpur) *Mar'17 - Present*
  - Involved in creating the media content that is distributed officially from Entrepreneurship Cell
  - Member of the team responsible for publicity of the cell inside and outside the campus
  - Publicized and helped in organizing National events like TEDex and eSummit in the campus
- **Student Guide** (Counselling Service, IIT Kanpur) *Jun'17 - Present*
  - Mentoring a group of 6 freshmen from UG 17 batch throughout their stay at the campus
- **Secretary** (Photography Club, IIT Kanpur) *Apr'17 - Present*
  - Member of a group in-charge of capturing photographs for the official calendar
  - Organized many workshops and sessions on photography for the campus community
- **Secretary** (Films Club, IIT Kanpur) *Apr'17 - Present*
  - Involved in filming and editing the campus' official videos
  - Member of a team involved in coverage of various events at IIT Kanpur

## EXTRA CURRICULAR ACTIVITIES

- Stood 2<sup>nd</sup> (as a team of 4) in Crime Run event organized by Mixed Bowl Organisation during Techkriti'17
- Got promotion in Taekwondo level - From White Belt to Yellow Belt