

# SIDDHARTH GANERIWALA

Sophomore  
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## Educational Qualifications

Year	Degree	Institute	CPI / %
2019 (expected)	Bachelor of Technology, Chemical Engineering	Indian Institute of Technology, Kanpur	8*
2015	CBSE ( XII Board )	Sunbeam Lahartara , Varanasi	95.4 %
2013	ICSE ( X Board)	St.John's D.L.W. , Varanasi	89.9 %

\* After 3rd Semester

## Academic Achievements

- Secured an **All India Rank 5330** in JEE Advanced 2015 conducted by IIT Bombay and about 200,000 students appeared for the exam.
- Secured an **All India Rank 2050** in JEE Main 2015 conducted by CBSE and 1,500,000 students took the exam.
- Secured State Rank 10 and **National Rank 62** in SOF - National Cyber Olympiad.
- Secured State Rank 21 in SOF - International Mathematic Olympiad.

## Projects

- **Entrance Identification** *January'16 - April'16*
  - Project done under Programming Club as a semester long project.
  - Developed a Python program which used an RFID scanned input to check the validity of an ID card
  - Python code was uploaded on Raspberry PI.
- **Inter IIT Android App** *August'16 - December'16*
  - Developed the Front-end for the official Inter IIT Sports meet Android App.
  - Incorporated features such as Gallery, LiveHelp, Result and Event's Schedule in the app.
- **Techkriti App** *January'17 - April'17*
  - Worked on the previous year's Techkriti App to incorporate new features like LiveHelp, etc.
  - Improvised the User Interface of the app and notification system.
- **Stamping Machine** *July'16-November'16*
  - Course Project for TA202 ( Manufacturing Processes-II ) done under Prof. Niraj Sinha.
  - Designed and fabricated a model to stamp on a roll of paper at a fixed interval.
  - Validated the computer aided design of its prototype with virtual testing in Solidworks.
- **Vertical Lift Bridge** *January'17-April'17*
  - Course Project for TA201 ( Manufacturing Processes) done under Prof. Shashank Shekhar.
  - Fabricated a model of Vertical Lift Bridge whose height could be varied to give the way to large ships.
  - Prepared the computer aided design of its prototype on Solidworks.

## Relevant Coursework

- MTH101 - Calculus and Analytic Geometry
- ESC101 - Introduction to C Programming
- CHE211 - Fluid Mechanics <sup>†</sup>
- MTH102 - Linear Algebra and ODE
- ESO208 - Numerical Methods
- CHE221 - Chemical Thermodynamics<sup>†</sup>

<sup>†</sup> - Ongoing

## Technical Skills

- **Programming Skills:** C/C++, Python, Java, Bash.
- **Software and Utilities:** Git, L<sup>A</sup>T<sub>E</sub>X, Arduino, SolidWorks, Android Studio, Processing, Linux/Shell, Matlab.
- **Skills:** Android Development
- **Operating System:** Windows, Ubuntu

## Position of Responsibility

- **Secretary, Electronics Club, IIT Kanpur** *May'16 - April'17*
  - Organized events and institute level electronic workshops to introduce the freshmen to basic electronics.
  - Mentored a short-semester long project of the club
  - Managed budget and the day to day functioning of the club.
- **Company Coordinator, Students' Placement Office, IIT Kanpur** *July'16 - April'17*
  - Attended HRs and managed their hospitality during PPTs and placement.
  - Helped with the smooth conduction of the placement interviews during December'16.
  - Coordinated the students and the Training and Placement Department to avoid misguidance.
  - Directed the students about the procedures of interviews, group discussions, dress code, etc.
- **Cordinator, TOSC, Techkriti'17** *July'16 - April'17*
  - Convinced various institues of Varanasi to participate in the school level competition TOSC.
  - Conducted the first-round in Varanasi which witnessed the participation of 700 students.
- **Volunteer, Hospitality, Antaragni'15** *August'15 - October'15*
  - Volunteered and looked into the hospitality of participants.
- **Junior Executive, Marketting, Techkriti'16** *January'16 - March'16*
  - Managed the advertising and merchandise for the festival .

## Extra-Curricular Activities

- Secured 2<sup>nd</sup> position in Embedded and 4<sup>th</sup> position in ElectroWiz inter hall technical event,Takneek'16.
- Fabricated block stacking robot and designed its electronic circuit in inter hall technical event,Takneek'15.
- Implemented Simon Says Game using basic electronic IC's as a part of Winter Camp by Electronics Club.
- Designed Snake Game GUI and its controls using processing as a part of Winter Camp by Electronics Club.
- Active member of **NGO** Umeed working for upliftment of necessitous children .
- Regular participant in contests held by various compitive coding websites. Handle-**Siddharth2610**