

# SIDDHARTH GANERIWALA

Junior Under-Graduate  
Department of Chemical Engineering  
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## Educational Qualifications

Year	Degree	Institute	CPI / %
2019 (expected)	Bachelor of Technology, Chemical Engineering	Indian Institute of Technology, Kanpur	7.8*
2015	CBSE ( XII Board )	Sunbeam Lahartara , Varanasi	95.4 %
2013	ICSE ( X Board)	St.John's D.L.W. , Varanasi	89.9 %

\* After 4th 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 22 in SOF - International Mathematic Olympiad.

## Work Experience

- New York Office, IIT Kanpur** *May'17-July'17*  
*Android App Developer under Prof. Manindra Agarawal , IITK*
  - Integrated Fabric library in app which made it easier to monitor the crash reports and real time analytics of the app.
  - Improved UI/UX of the app by implementing features associated with menus, viewpagers, card views, preference layouts etc. adhering to Google's Material Design guidelines.
  - Served as the peer mentor to all other interns and the Team-Lead for a team of 3 interns.

## Projects

- HTTP Proxy Server** *August'17 - November'17*
  - Course Project for CS425A ( Computer Networks) done under Prof. Dheeraj Sanghi .
  - Server handled HTTP GET, HEAD and POST requests and rejected all other types of requests.
  - Enforced authentication using username and password and supported User-Based request filtering using domain.
  - Implemented caching and load balancing to reduce bandwidth usage and load on web servers
- 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.
  - Improved 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.
- Awarded as **Best Sectional Project** among many other projects.

- **Herbal Soap**

January'17-April'17

- Course Project for CHE261 ( Chemical Process Industries) done under Prof. Animangsu Ghatak.
- Prepared a soap using all herbal products like Neem,Rose etc and various pure oils like Coconaut Oil, Olive Oil etc.

## Relevant Coursework

Introduction to C Programming	Data Structure And Algorithm	Introduction To Electronics
Calculus and Analytic Geometry	Linear Algebra and ODE	Chemical Process Industries
Fluid Mechanics	Numerical Methods	Chemical Thermodynamics
Mass Transfer <sup>†</sup>	Heat Transfer <sup>†</sup>	Chem. Process Simulation lab <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.

- **Coordinator, TOSC, Techkriti'17**

July'16 - April'17

- Convinced various institutes of Varanasi to participate in the school level competition TOSC.
- Conducted the first-round in Varanasi which witnessed the participation of 700 students.

## 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 competitive coding websites. Handle-**Siddharth2610**