

SIDDHARTH GANERIWALA

Junior Under-Graduate
Chemical Engineering
Indian Institute of Technology, Kanpur

siddharth.ganeriwala1996@gmail.com Department of
sidgane@iitk.ac.in
+91 749 923 3350

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

• NewYork 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

• 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.
- Improvise 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
Calculus and Analytic Geometry
Fluid Mechanics
Mass Transfer [†]

Data Structure And Algorithm
Linear Algebra and ODE
Numerical Methods
Heat Transfer [†]

Introduction To Electronics
Chemical Process Industries
Chemical Thermodynamics
Chem. Process Simulation lab[†]

[†] - Ongoing

Technical Skills

- **Programming Skills:** C/C++, Python, Java, Bash.
- **Software and Utilities:** Git, L^AT_EX, 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 2nd position in Embedded and 4th 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**