

# Vatsalya Tandon

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## EDUCATION

### INDIAN INSTITUTE OF TECHNOLOGY, KANPUR

B.TECH IN CHEMICAL ENGINEERING  
2017-2021 | Kanpur, IN  
CPI : 8.5/10.0

### SHEILING HOUSE SCHOOL

HIGH SCHOOL CERTIFICATE  
May 2017 | Kanpur, IN  
Percentage: 96.5%

### SHEILING HOUSE SCHOOL

SECONDARY SCHOOL CERTIFICATE  
May 2015 | Kanpur, IN  
Percentage: 97%

## LINKS

LinkedIn:// vatsalyatandon  
Github:// vatsalyatandon

## COURSEWORK

### UNDERGRADUATE

Introduction to Programming  
Real Analysis and Multivariate Calculus  
Linear Algebra  
Ordinary Differential Equations  
Computational Methods in Engineering  
Probability and Statistics (auditing)  
Introduction to Machine Learning  
(Coursera)

## SKILLS

### PROGRAMMING LANGUAGES

• Python • C • C++ • MATLAB  
• Java

### DATA SCIENCE

• Tensorflow • Keras • Pandas  
• Seaborn • Matplotlib • Numpy  
• Scikit-learn

### WEB DEVELOPMENT

• Django • Angular • ngRx • Redux  
• Firebase • HTML5 • CSS

### TOOLS

• Git •  $\text{\LaTeX}$  • Excel

## EXPERIENCE

### IITK CONSULTING GROUP | LEADER, TECH TEAM

July 2018 – Present

- Mentored the Data Science division of a winter long project, comprising of 20+ students under Rotary International.
- Successfully delivered a lecture on "Machine Learning for Social Consulting" to an audience of 200+ students.

### PROJECT SCRAPP | INTER IIT TECH MEET

December 2018 | Mumbai, IN

- Created and designed a "Ragpicker Aggregator" platform, to optimize plastic recycle chain, using a decentralized Blockchain platform.

### NEW YORK OFFICE, IITK | FRONT-END WEB DEVELOPER

May 2018 – July 2018 | Kanpur, IN

- Created utilities and debugged a Redux Architecture Model, running on Angular 6 with ngRx, to create and maintain a scalable web-app

### CREDIT SUISSE MACHINE LEARNING HACKATHON | NATIONAL 2ND RUNNERS UP

May 2018 – June 2018 | Mumbai, IN

- Mentored by Prof. Sandeep Shukla, Head of Department, (CSE, IITK)
- Feature engineered historical stock data listed in NSE and implemented time-series LSTM in Keras to predict top 50 performing stocks of the next day.
- Part of a three-member team that secured third place in National Finals among top 9000 teams.
- Published in the Computer Science department newsletter, link (page 18)

### PROJECT ASHA A SYMPATHETIC HELPING ASSISTANT

December 2017 | Kochi, IN

- Worked with a team of 6 on an ML based violent content classifier chatbot plugin for messaging platforms.
- Built a supporting web portal with chatbot plugin link.
- Secured the Runner's Up position at the Facebook Digital Masala Challenge 2017

## ACHIEVEMENTS

- JEE Main 2017 - 99+ Percentile out of approximately 1.5 million candidates
- JEE Advanced 2017 - 99+ Percentile out of approximately 0.15 million candidates
- Awarded the INSPIRE Scholarship (2017-18) from the Department of Science and Technology, Government of India
- Won the Lucknow finals of SBI Numero Yono Quiz defeating 2000 teams and winning INR 216,000 as a cash prize

## POSITIONS OF RESPONSIBILITIES

- Leader, IITK Consulting Group (July 2018 - Present)
- Senator, Students Senate, IITK (March 2019 - Present)
- Student Guide, Counselling Service IITK (April 2018 - Present)
- Overall Co-Ordinator, Quiz Club IITK (March 2019 - Present)
- Secretary, English Literary Society IITK (April 2018 - March 2019)