

# Hitesh Gupta

## Curriculum Vitae

Room - C-341, Hall 1  
IIT Kanpur, Uttar Pradesh, 208016  
☎ (+91) 7318019047  
✉ hitg@iitk.ac.in

### Interests

Statistics, Data Science, Machine Learning, Regression Models

### Education

- 2016-Present **B.Tech in Civil Engineering with Minor in Algorithms**, *Indian Institute of Technology, Kanpur*, CGPA - **9.05/10** (till 6 semesters).
- 2016 **Higher Secondary Examination, RBSE**, *Nirmal Happy School*, Hindaun City, Rajasthan. 91.20%
- 2014 **Secondary Examination, RBSE**, *P.S.C Foundation School*, Hindaun City, Rajasthan. 95%

### Intern

- May'19 - **Retrieval-based Chat Bot, EJET Systems**, *ML and NLP*.
- July'19
- Handled full development of a hotel assistant bot.
  - Built a Food Entity Recognition model to identify food items in a sentence, along with quantity, attribute, and toppings using NLTK.
  - Built Food Recommendation model using word embedding and also devised an algorithm to recommend food with respect to multiple food items.
  - Developed a binary sentimental analysis model using word embedding and classification using random forest classifier.

### Scholastic Achievements

- 2018 Got Minor in CSE in streams **Computer system & Algorithms**.
- 2018 **Academic Excellence Award** for Year 2017-18.
- 2016 All India Rank 2660 in JEE (Advanced).
- 2016 All India Rank 1804 in JEE (Mains).
- 2015 **All India Rank 630 in KVPY** (Kishore Vaigyanik Protsahan Yojna).
- 2015 State Rank 15 in SOF-IMO (International Mathematics Olympiad).
- 2014 16th state merit in Secondary Examination (RBSE).

### Key Projects

- Jan'19- **FIR Management System**, *Course Project*, DBMS.
- Apr'19
- Designed a FIR management system by using Apache, MySQL, PHP.
- Aug'18- **GeoInformatics Project**, *Course Project*, CE331A.
- Nov'18
- Used instruments like Auto-level, GPS, Total station for collecting data of given site.
  - Used QGIS software for making Map from collected data.
- Summer'18 **Project on Structural Stability**, *Dr Suparno Mukhopadhyay*, Department of CE.
- Analysed structures for their stability and strength using MATLAB.

Jan'18- **Crude Oil Pump**, *Course Project*, TA201A.

- Apr'18
- Designed (in AutoCAD), manufactured and assembled a small model of a crude oil pump.
  - Used techniques like welding, brazing and bending to fabricate the model.

Aug'17- **Rice Huller Machine**, *Course Project*, TA202A.

- Nov'17
- A small machine which can be used at home easily to remove husk.
  - Designed (in AutoCAD), manufactured and assembled a mechanism to remove the husk of rice in which the grain is crushed by two rubber coted rollers. Used machining techniques like lathing, milling, drilling to fabricate the model.

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## Technical Skills

Languages C, C++, JAVA, PYTHON, MYSQL

Softwares MATLAB, SQLITE3, QGIS, AUTODESK (CAD) INVENTOR, LATEX(basic)

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## Relevant Courses

Introduction to C

Data Base Management System

Applied Probability and Statistics

Linear Algebra

Data Structure & Algorithms

Machine Learning (Coursera)

Introduction to Economics

Partial Differential Equation

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## Position of Responsibility

Apr'17 - **Senior Executive (Show Management)**, *Techkriti'18*, Reportedly Asia's Largest Technical Festival.

- Apr'18
- Oversaw the completion of four Robotics competitions (Robowar, Manoeuvre, IARC, AIRC) by inspecting and distributing the logistics for the events and supervised the conduction of workshops.
  - Recruited and managed a team of 4 junior executives for the successful completion of competitions by motivating and assigning them to several tasks to ensure smooth conduction of events.

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## Miscellaneous

Active on Codeforces.

Winner in archery workshop in March 2018.

Second runner up in Concrete Quiz organised by Techkriti-2018.

Participated in instant Hindi speech competition in Galaxy'17 (annual inter-hostel festival, IIT Kanpur).

Second runner up in district level debating competition.

**Hobbies:** Playing table tennis, pool, painting & swimming.