TIKAM SINGH

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4th Year Undergraduate ,
Department - Chemical Engineering

ACADEMIC QUALIFICATIONS

Year	Program	Institution	CGPA/ %
2018 -Present	B.Tech, Chemical Engineering	IIT Kanpur	**6.3*/10.0**
2017	Class XII: CGBSE	Govt. Boys Hr. Sec. School Katghora, korba(C.G.)	**92.00%**
2015	Class X: CGBSE	Govt. Hr. Sec. School Chhuri,korba(C.G.)	**91.16%**

*after six semesters

PROJECTS

- **Wing Configurations (Summer Project,Aeromodelling Club IITK):-   may'19 - july'19**
    - In this project I learned about different type of planes,it's properties and mechanics.
    - We made different type of planes like Canard,Biplane,Closed Wing plane etc .
    - We learned how to use XFLR software for plane designed.
    - We learned how to fly small models of planes.

- **The Hyperbola Drawing Linkage (Course Project): -   jan'20 - march'20**
    - We designed Hyperbola Drawing Linkage by software Autocad inventor.
    - It draws perfect hyperbola.
    - We received good response from course instructor.

SELF PROJECT

DATA STRUCTURES AND ALGORITHMS https://github.com/tikam300/Data-Structres.git
https://github.com/tikam300/Sorting-Algorithms.git

- I did project on data structure to organize data and store data and Algorithm that helps us to solve a particular problem By different approach or algorithms. This allow us to write efficient and optimized computer program.This give us large Amount of Data efficiency for uses such as large databases and internet indexing services.

POSITIONS OF RESPONSIBILITY [POR]

- **Secretary (Aeromodelling Club IIT Kanpur): -   Aug'19 - Aug'20**

    - As a secretary we conducted many events for students of IIT Kanpur for learning about different types of planes,Drone,Quadplane and it's properties and mechanics.we introduce them many software like xflr.

TECHNICAL SKILLS

- Programming Languages: - C, C++, Python, Java

- Software and Utilities: - Windows, MATLAB, Git, COMSOL, AUTOCAD

RELEVANT COURSES

- Computational Methods in Engineering
- Fundamentals of Computing
- Linear Algebra and Ordinary Differential equation
- Calculus and Analytic Geometry
- Machine Learning for All ,Coursera
- Structuring Machine Learning Projects, Coursera
- Artificial Intelligence for everyone , Coursera
- python Data Structures ,Coursera
- Neural Networks and Deep Learning, Coursera
- Improving Deep Neural Networks, Coursera
- Introduction to Electronics
- Chemical Process Simulation

EXTRA CURRICULAR ACTIVITIES

- Participated in Tech Fest, IIT Bombay Asia's Largest science and Technology Festival conducted by Boeing and IIT Bombay.

- Participated in Takneek , IIT Kanpur as a mentor for first year students conducted by Science and Technology(SnT) IIT Kanpur.