

DIPTANSU PODDAR

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SECOND YEAR UNDERGRADUATE

DEPT. OF CHEMICAL ENGINEERING

EDUCATION

Year	Degree/Certificate	Institute	Score
2021 - Present	BTech, Chemical Engineering	Indian Institute of Technology Kanpur	8.8/10
2021	ISC (Class 12)	Calcutta Boys' School, Kolkata	97.25%
2019	ICSE (Class 10)	Calcutta Boys' School, Kolkata	97.00%

AWARDS & ACHIEVEMENTS

- Secured AIR 6050 in JEE Advanced 2021 among 0.2 million candidates and AIR 7829 in JEE Main 2021 among 1.2 million candidates.
- Received Award for Academic Excellence from IIT Kanpur in the session 2021-22.
- Received A* grade (excellent) in ESC101 (Fundamentals of Computing/C Programming).
- Qualified for INSPIRE scholarship by being among the top 1 percentile in ISC Examinations.

KEY PROJECTS

CFD-DEM Simulation | Mentor: Prof. Anurag Tripathi Sept 2022 - Present

- Analyzed and wrote C++ code to simulate the flow of granular particles in a chute.
- Implemented various components relevant to fluids such as computation of packing fraction and viscosity.

Regression Analysis | STAMATICS SOCIETY March 2022 - June 2022

- MULTIVARIATE REFRESSION: Built a Python model training it with insurance data to suggest price of insurance based on factors such as age, sex, BMI, smoking habits and location. Demonstrated rising CO2 levels by fitting emission data with curves of various degrees.

TECHNICAL SKILLS

- Programming Languages: C, C++, Java, MATLAB, Python
- Software and Libraries: Numpy, Pandas, Sci-kit learn, Linux, Canva, MS Office, Gnuplot

POSITIONS OF RESPONSIBILITY

Secretary, Research Wing, AnC Council, IIT Kanpur Jun 2022 - Present

- Content writing and databasing

Secretary, Book Club (Gymkhana Library), IIT Kanpur Jun 2022 - Present

- In charge of media and publicity
- Poster designing and writing book recommendations

Academic Mentor, Counselling Service, IIT Kanpur Oct 2022 - Present

- Mentoring freshers seeking aid and conducting academic classes for 1st year courses
- Emotionally guiding freshers facing any difficulty

RELEVANT COURSES

Fundamentals of Computing (A*)-ESC101 | Computational Method in Engineering-ESO208

Linear Algebra & ODE-MTH102 | Real Analysis-MTH101 | Thermodynamics (A)-ESO201

Electromagnetism (A)-PHY103 | Introduction to Logic (A)-PHI142