Resume

Name : Sumit Chakraborty
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EDUCATION :-

Sl no	Educational Qualification	Institution	CGPA / Percentage	Year
1	All India Secondary School Examination (AISSE)	Hem Sheela Model School	10	2016
2	All India Senior School Certificate Examination (AISSCE)	Hem Sheela Model School	92%	2018
4	Qualified JEE Advanced 2018 with All India Rank 11385			
3	Bachelor of Technology in Chemical Engineering	Rajiv Gandhi Institute of Petroleum Technology (An Institute of National Importance)	7.47 (upto 5th Semester)	2018 – (till date)

RESEARCH PROJECTS AND INTERNSHIPS: -

1. <u>Vocational Training on Refinery Operations, Indian Oil Corporation Limited, Paradip refinery (2021)</u>
   Supervisor: Mr. GK Prusty and Mr. SS Patra
   Understood the working of various units of Paradip crude oil refinery like ADU, VDU, Hydrotreating plant etc. over a 6 weeks duration.

2. <u>Pressure Drop studies for Multiphase flows in Microchannels (2021-present)</u>
   Supervisor: Dr Koushik Guha Biswas
   Theoretically calculated pressure drops for multiphase flow systems in microchannels and compared the same with experimental results. Currently working on publishing a research paper on the same topic.

3. <u>Predictive maintenance of Industrial equipment using Machine Learning (2020)</u>
   Supervisor: Dr Debashish Jena and Dr Amit Ranjan
   Developing an app that helps to detect failures in industrial equipment by analyzing the sound emitted using Tensorflow for neural network development and Kapre for data pre-processing.

4. <u>Heat Transfer profile for fluids flowing over infinite tube systems (2019)</u>
   Supervisor: Dr Milan Kumar
   Developed a spreadsheet in MS Excel using VBA to calculate the heat transfer rate and temperature profile for different fluids passing over an infinite tube system.

WORKSHOP AND CONFERENCES:-

1. <u>Industrial Trip to Indian Oil Corporation Ltd (IOCL) Mathura refinery (2019)</u>
   Gained firsthand experience from industry experts and understood the functioning of a complex refinery.

Skills :-	Courses :-
• C++ and Python Programming (over 4000 lines) • Selenium testing with Python • HTML 5 web development • ML modelling (Tensorflow and Keras) • AutoCAD	• On-line Training Course on Industrial Safety organized by National Productivity Council (NPC) • Networking Fundamentals (Udemy)

INTERESTS : Competitive coding and CTFs   **HOBBIES :** Sports (Football)
                       Machine Learning   Reading short stories and novels

POSITIONS OF RESPONSIBILITY :-

1. TEAM MEMBER OF CODE CLUB (KODE)
2. MEMBER OF RGIPT E18 FOOTBALL TEAM

ACHIEVEMENTS:-

1. Received Certificate of Merit for On-line Training course on Industrial Safety organized by National Productivity Council (NPC).
2. Ranked 1768th in global level in PicoCTF 2019 (Link to scoreboard: https://picoctf.org/data/scoreboard_global_2019-10-11-1200.csv)
3. Found vulnerability due to Same-site Scripting in Drive.NET (Report:772039) on HackerOne (January 2020) and received Belle of the Ball badge for submitting the top ranked report of the month. (HackerOne profile: dre4dpir4terob3rts)
4. Stood 5th in Mini Marathon 2019 and received certificate of achievement and medal for the same.

Sumit Chakraborty.

(SUMIT CHAKRABORTY)
Date: 11/11/2021