

## SUDIPA DAS

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### CAREER OBJECTIVE:

Using my knowledge and skills to gain practical exposure and understand the inner-workings of the company and to learn and grow on the job as well as ensuring the organization's goals are accomplished.

### EDUCATIONAL QUALIFICATION(S)

Degree/Exam	Institute	CGPA or %	Year of Passing
M. Tech. in Chemical Engineering	Indian Institute of Technology, Kharagpur	9.17	2022
B.E. in Chemical Engineering	Jadavpur University	8.27	2019
Higher Secondary	Jadavpur Vidyapith (WBCHSE)	91.60%	2015
Secondary	Jadavpur Vidyapith (WBBSE)	87.28%	2013

### M.TECH. PROJECT

Enhancement of Heat Transfer on Coated Surfaces Prof. Sudipto Chakroborty , IIT KGP		May'21-Present
<b>Motivation</b>	<ul style="list-style-type: none"><li>Elevated energy dissipation methods and high heat flux sustaining system are required in different industry</li><li><b>Efficient energy management</b> and <b>economically feasible</b> process</li></ul>	
<b>Current Work</b>	<ul style="list-style-type: none"><li>Done <b>Extensive Literature Review</b> on different types of coating process for heat transfer enhancement</li><li>Learned the <b>Central Composite Design</b> under <b>Response Surface Methodology</b> thoroughly and applied the same for developing a model with data available in literature</li></ul>	
<b>Future Work</b>	<ul style="list-style-type: none"><li>Developing a <b>MATLAB</b> code for <b>Artificial Neural Network</b> based simulation for a particular coating process using data from literature</li></ul>	
<b>Impact</b>	<ul style="list-style-type: none"><li>In terms of operational techniques coating is easy</li><li>This coating process can bring drastic change in heat transfer enhancement in industries in a positive manner</li></ul>	

### INDUSTRIAL TRAINING

Thorough Quality Check of Different Types of Paints   Berger Paints India Limited , Howrah Unit May'18-June'18
<ul style="list-style-type: none"><li>Mainly worked in <b>Quality Control Lab</b> and <b>Process Control Lab</b></li><li>Measured each and every quality of paint for better performance at the user end</li><li>Had a hands-on experience on different types of coating (ex: Spraying, Brushing, Roller Coating)</li><li>Given an overall idea on the process of paint production starting from raw material to packaging of product</li></ul>

## TECHNICAL KNOWLEDGE

- **Programming Languages** : C, C++
- **Softwares** : MATLAB, COMSOL, DESIGN EXPERT

## POSITIONS of RESPONSIBILITY

<b>Teaching Assistanship,</b> IIT KGP	<ul style="list-style-type: none"><li>• Currently serving as the teaching assistant for the course Seminar-1, guiding students to select papers for their presentation and how to make the slides effective for presentation</li></ul>
<b>Event Helder for Chemathlon-2016,</b> Jadavpur University	<ul style="list-style-type: none"><li>• Held the short hand cricket event for the boys</li></ul>

## PERSONAL PARTICULARS

<b>Date of Birth</b>	19 <sup>th</sup> November, 1996
<b>Gender</b>	Female
<b>Nationality</b>	Indian
<b>Address</b>	B-91/1, Atabagan, Garia, P.O.- Garia, P.S.- Bansdroni Kolkata-700084, West Bengal
<b>Languages Known</b>	English, Bengali, Hindi
<b>Extracurricular Activities</b>	<ul style="list-style-type: none"><li>• Completed 5<sup>th</sup> Year in Drawing with <b>1<sup>st</sup> Division and Distinction</b> from <b>CHANDIGARH BOARD</b></li><li>• Used to teach children who were unable to afford any private tuition</li><li>• Learned acoustic guitar for 1.5 years</li><li>• Love to read different kinds of story books</li></ul>