

# Sukriti Singh

Final Year, RGIPT | Chemical Engineering Undergraduate

Female | 04/05/2000

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A final year student at Rajiv Gandhi Institute of Petroleum Technology majoring in Chemical engineering. Seeking a job or research opportunity that will allow me to utilize my problem-solving skills and contribute to a project with real-world implications.

EDUCATIONAL BACKGROUND			
COURSE	INSTITUTE	CPI/CGPA/%	Year
B.Tech in <b>Chemical Engineering</b>	Rajiv Gandhi Institute of Petroleum Technology	8.28/10* *Up to 5 <sup>th</sup> Semester	2019-2023
XII, (ISC)	Seth Anandram Jaipuria School, Kanpur, Uttar Pradesh	90.75%	2018
X, (ICSE)	Seth Anandram Jaipuria School, Kanpur, Uttar Pradesh	95.40%	2016
INTERNSHIPS			
<b>Planning and Business Development, Petrochemicals Group   Indian Oil Corporation Limited</b> <i>June – July, 2021</i> Mentor: <b>Mr. AAKASH AGARWAL</b> <ul style="list-style-type: none"><li>Studied extensively about a multifarious exposition of processes incorporating IOCL working methodologies, integration of Refinery and Petrochemicals, and got an overview of naphtha cracking and Fluid catalytic cracking processes.</li><li>Designed and developed an economic model in order to select most optimum C2 derivative based on 100 KTA of ethylene available.</li></ul>			
<b>Research Intern   IRDE Dehradun, Defence Research and Development Organisation</b> <i>Ongoing</i> Guide: <b>Mr. GS Rana, Scientist F</b>			
<b>Industrial Intern   SRF Chemicals, Bhiwadi Rajasthan</b> <i>July-August, 2022</i> Mentor: <b>Mr. Manoj Kumar Mishra, Senior Vice President (Manufacturing)</b> <ul style="list-style-type: none"><li>Gained insights into the chiller system, its key components and vapour compression refrigeration cycle.</li><li>Analysed the machine data and consolidated valuable insights using Excel.</li><li>Proposed possible solutions to increase cooling capacity of the chiller system.</li></ul>			
<b>Online Summer Internship   Petroleum Refinery Engineering, Indian Institute of Chemical Engineers (IChE)</b> <i>May – July, 2020</i> <ul style="list-style-type: none"><li>Developed complete understanding of all major refinery processes, units and operations.</li><li>Prepared a descriptive case study for a proposed refinery, taking specific feedstocks and giving specific products depending on market requirements.</li></ul>			
ACHIEVEMENTS & HONOURS			
Awarded <b>Commendation Prize</b> by <b>HPCL R&amp;D</b> as a co-author for <b>New Generation Ideation Contest 2021</b> . Two ideas of mine were shortlisted for the final round; one as the main author and the other as the co-author. <i>2022</i>			
Nominated and recommended by the Institute to participate in <b>12<sup>th</sup> World Petro Coal Congress (WPCC)</b> . <i>2022</i>			
Qualified <b>IIT JEE Advanced 2019</b> . <i>2019</i>			
Awarded <b>Scholarship</b> for excellent performance in ICSE examinations. <i>2016</i>			
Awarded <b>2<sup>nd</sup> prize at National Level</b> in an article writing competition. <i>2016</i>			
Selected as a <b>student representative (among the top 4 students in a batch of 200)</b> for The Young Leadership Program and attended workshops and quizzes in IIT Kanpur for the same. <i>2017</i>			
Awarded <b>academic excellence awards</b> in 2010, 2011, 2012, 2014, 2015 and 2017 at Seth Anandram Jaipuria School, Kanpur.			
PROJECTS			
<b>Project Title: Effect of Supporting Electrolyte on Vanadium redox flow Batteries</b> <i>Ongoing</i> Mentor: <b>Dr. Milan Kumar</b>   Strength of Materials/ Engineering Lab, RGIPT <ul style="list-style-type: none"><li>Cyclic Voltammetry was carried out on a range of different compositions of test samples and the effect of supporting electrolytes was analysed by varying the scan rate.</li><li>In accordance with the CV results, research for a suitable solvent is under way so as to enhance the performance of Vanadium redox flow batteries.</li></ul>			

**POSITION OF RESPONSIBILITIES**

<b>President</b>   IICHe RGIPT Student Chapter	<i>2022-Present</i>
<b>Joint Secretary</b>   IICHe RGIPT Student Chapter	<i>2021- 2022</i>
<b>Treasurer</b>   IEEE RGIPT Student Chapter	<i>2022-Present</i>
<b>Web Designing Head</b>   CodeChef RGIPT Student Chapter	<i>2021-Present</i>
<b>Editorial Head</b>   AAPG RGIPT Student Chapter	<i>2021-2022</i>
<b>Editorial Head</b>   Gyanarpan Project Amethi	<i>2020-2021</i>
<b>Core Member</b>   Gyanarpan Project Amethi	<i>2019-2021</i>
<b>Editorial Executive</b>   AAPG RGIPT Student Chapter	<i>2020-2021</i>
<b>Editorial Executive</b>   Gyanarpan Project Amethi	<i>2020-2021</i>
<b>Teaching Volunteer</b>   Gyanarpan Project Amethi	<i>2019-2021</i>

**SKILLS**

Programming Languages: C | C++ | Python | Java  
Web Development: HTML | CSS | BOOTSTRAP | JAVASCRIPT | Vue.js (Vuetify)  
Software and Utilities: MATLAB | Microsoft Excel | AUTOCAD | Aspen Hysys