

# RACHNA SINHA

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📍 New Delhi

## EDUCATION

<u>Level</u>	<u>Institute</u>	<u>Years</u>	<u>Marks</u>
Graduation (B.TECH, BIOCHEMICAL ENGG.)	USCT, GGSIPU	2013-2017	77.29%
10+2	ITL Public School (CBSE)	2012-2013	90.8%
10	ITL Public School (CBSE)	2010-2011	9.8 (CGPA)

## CO-CURRICULAR

<u>Organiser</u>	<u>Event</u>	<u>Year</u>
USCT	ChemChord, Paper Presentation	2016
JNU	ICSEPM, Poster Presentation	2016
CBSE	Inspire Camp	2012

## CERTIFICATION/COURSES

<u>Course</u>	<u>Institute</u>	<u>Years</u>
Human Resource Management, Specialization	Internshala	2022
Business Analytics with Excel	Upskill	2022
Diploma in Organization Psychology	Cognizavest	2022-2023
Certificate course Financial Modelling and Valuation	Internshala	2022
Certificate in Product Management	Great Learning	2022
Certificate Program-The Importance of Process Safety	AIChE	2017
Certificate Course Intellectual Property Rights and Information Technology in the Internet Age	Indian Law Institute	2016

## ACADEMIC AWARDS & ACHIEVEMENTS

- Best paper among all publications within last two years (2021), Indian Society for Surface Science and Technology
- UPSC CDSE-II, 2018; AIR 10
- Gold Medal, B.Tech, GGSIPU
- Merit Certificate- English and Mathematics, CBSE, ITL Public School, 2013
- Dwarka Toppers' Award, 2013, Dwarka Times

## RESEARCH PUBLICATIONS

- Rachna Sinha, Garima Chauhan, Azad Singh, Arinjay Kumar, Sanigdha Acharya, A novel eco-friendly hybrid approach for recovery and reuse of copper from electronic waste, Journal of Environmental Chemical Engineering, Volume 6, Issue 1, 2018, Pages 1053-1061,
- Biosorption of Cu<sup>2+</sup> from Aqueous Solutions using Aspergillus Oryzae and Baker's yeast, R Sinha, G Chauhan, A Singh, A Kumar, Journal of Surface Science & Technology 35 (3-4), 128-139
- Rachna Sinha and Garima Chauhan, Generalized model for predicting methane conversion to syngas in membrane reactor, International Journal of Engineering, Science and Technology Vol. 8, No. 4, 2016, pp. 8-15

## **PROFESSIONAL EXPERIENCE**

### **1. Founder and Mentor at IgniteSSB**

June, 2020 – Ongoing

- Fee of cost Mentoring and coaching of defense aspirants belonging to underprivileged families to qualify their SSBs.

### **2. Assistant Labor Welfare Officer at Adyaraj Developers Pvt. Ltd.**

April, 2021 – June, 2022

- Working on site by maintaining record of labors, their health conditions, enabling proper wage dispersal
- Worked as the main contact point for health and vaccination of the labors during covid period

### **3. Lady Cadet at OTA Chennai, Indian Army**

September, 2019 – December, 2019

- Recommended by 21SSB Bhopal, First Attempt, All India Rank 10 in SSCW(NT)-24 Course
- Resigned between training due to worsening medical condition. (Axial Length of eye beyond limit for army)

### **4. Jr. Research Scientist at Valetude Primus Healthcare Pvt. Ltd.**

February, 2018 – August, 2019

- Worked in the R&D team of the company for the development of iMC2,
- Conducted Clinical trials for devices
- Developed protocol for quality check of the product
- Was offered permanent position of junior scientist since August, but left the offer to join OTA, Chennai.

## **POSITION OF LEADERSHIP**

### **1. Academic School Representative, USCT**

September, 2016- June, 2017

- Planned & Organized Career Counselling Session by idream careers
- Planned and Organized Cultural Get together on diwali eve.
- Helped fellow students with academics.

### **2. Member Student Council, GGSIPU**

September, 2016- June, 2017

- Organizer, 13<sup>th</sup> Annual Sportsmeet GGSIPU
- Incharge of Discipline, Anugoonj-GGSIPU Cultural Fest

### **3. Sports Captain, ITL Public School**

April, 2011- March, 2013

- Organized intra-School Sportsmeet

## **VOLUNTEER EXPERIENCE**

### **• Volunteer at Arushi**

2017 – September, 2018

- Working for the Especially Abled Children.

### **• Volunteer at Anugoonj-Cultural fest of GGSIPU**

2014, 2015, 2016

### **• Volunteer at Sportsmeet, GGSIPU**

2013, 2014, 2015

## **INTERNSHIP EXPERIENCE**

### **1. Summer Trainee, Doordarshan, Prasar Bharati**

June, 2016 – August, 2016

- Worked on the topic “Effect of ElectroMagnetic Radiation on Human Health”

### **2. Summer Research Trainee, CFEES, DRDO**

June, 2015 – September, 2015

- Worked on the topic “Antibacterial Activities of Nano Alumina” Derived A general equation for the antibacterial activity of *Pseudomonas stutzeri* and *Delftia tsuruhatensis*.

## **EXTRA CURRICULAR ACHIEVEMENTS**

<b><u>S.NO.</u></b>	<b><u>EVENT</u></b>	<b><u>LEVEL</u></b>	<b><u>DURATION</u></b>
1.	BASKETBALL	Inter University, Inter College, Zonal, Cluster-12	ONGOING
2.	LAWN TENNIS	School, Club (YMCA)	5 YEARS
3.	JUDO	ORANGE BELT	2 YEARS
4.	SPECKTAEKROW	INTER STATE	1 YEAR
5.	RUNNING (100M SPRINT)	ZONAL LEVEL GOLD MEDAL	3 YEARS
6.	RUNNING (MARATHON)	5KM NATIONAL MARATHONS	ONGOING
7.	BHARATNATYAM	Performed at social events	4 YEARS
8.	Model United Nation	MRIU, NSIT	2014

## **HOBBIES & INTERESTS**

- Fitness and Health Enthusiast, training on Wim Hof Method
- Oil Pastel Painting
- Travelling (Recent: Thailand, Arunachal Pradesh, Diu Islands, Rann of kutch)
- Socializing and Learning about a new culture from people.
- Watching Turkish series and movies

## **CONTACT**

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