

Korak Kar

Personal Information:

Korak Kar
Semester II, MSc in Chemistry
Indian Institute of Technology (Indian School of Mines), Dhanbad
Admission Number: 20MS0055
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Permanent Address:

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Date of Birth: 19 June 1997

Blood Group: O+

Nationality: Indian

LinkedIN:

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Languages known: English,
Bengali, Hindi,

Spanish (elementary
proficiency)

Academic Qualifications:

<u>Examination</u>	<u>Year</u>	<u>CGPA/Percentage</u>	<u>Institution</u>	<u>University/Board</u>
Secondary School Examination (Class X)	2014	9.4	Aditya Academy Secondary, Barasat	Central Board of Secondary Education (CBSE)
Senior School Certificate Examination (Class XII)	2016	93.2%	Aditya Academy Secondary, Barasat	Central Board of Secondary Education (CBSE)

B.Sc Honours Examination(in chemistry)	2019	60.25%	Scottish Church College	University of Calcutta, Kolkata
M.Sc (in chemistry)	2019(did not complete)	8.28	Institute of Science	Banaras Hindu University
M.Sc (in chemistry)	2020-2022	8.17647/10(Semester I) 9.28/10(Semester II) 7.53/10(Semester III)	Indian Institute of Technology (Indian School of Mines), Dhanbad	Indian Institute of Technology (Indian School of Mines), Dhanbad

Professional/Research Experience:

- Serving as **subject expert** in **chemistry** for **Chegg** since **October, 2019**
- Serving as **online tutor** in **chemistry** for **Filo** since **January, 2022**
- Working on nanomaterials for MSc project under the supervision of **Dr. Sumanta Kumar Sahu**
[topic: "Upconversion nanoparticles as PDT/PTT agents"]
- Worked as **summer research intern online** at **IIT Roorkee**
[literature review on "doped carbon dots as sensors"]
- Worked as **summer research intern online** at **CSIR-IMMT, Bhubaneswar**
[literature review on "Nanomaterials for separation of rare earths"]
- Worked as **cultural researcher** in **India Lost and Found (ILF)** from June 2020 to September 2020

Test Scores

TOEFL: 115/120

Reading: 27/30

Listening: 29/30

Speaking: 30/30

Writing: 29/30

Academic Achievements:

- Ranked **707** in **GATE 2021**
- Ranked among the top **2.48 %** students in **Joint Admission for M.Sc. (JAM), 2020** with a percentile of **96.48[2019]** with **AIR 394**
- Ranked **1** in the entrance examination of **Savitribai Phule Pune University in Chemistry [2019]**
- Got selected in the highly competitive entrance examination for **Masters/ Integrated PhD** followed by interview for **Indian Association for Cultivation of Science (IACS) in Chemical Sciences [2019]**
- Ranked **34** in the entrance examination of **University of Hyderabad in Chemistry [2019]**

Extra-Curricular / Volunteering Activities:

- Served as **secretary** for the **Quiz Club of Scottish Church College** for the session **2019-20** and participated and won a number of **quizzes**
- Member of **Quiz Club IIT (ISM), Dhanbad**
- **Volunteer** and **content creator** at <https://cr21.ml/>, an online portal created by students of IIT (ISM), Dhanbad for collection of links for COVID resources and compiling recovery stories of COVID patients

- Citizen scientist at **Zooniverse**, involved in collecting, analysing and classifying data as part of collaborative projects with professional scientists and researchers
- Got **second runner's up** award in the event "**The Chemist's Game**" in **Sigma 2019** organised by **Science Association of St. Xavier's College (Autonomous), Kolkata [2019]**
- Participated and ended as a podium finisher in a number of intra and inter college debates and was member of **Debate Society, Scottish Church College**
- Participated in several events conducted by **NSS** in the college

Seminars/Workshops attended:

- Completed the **NPTEL** course on "**Electrochemical technology in Pollution Control**" conducted by **IISc, Bangalore**.
- Participated in a number of **ACS Science Talks** in 2020
- Completed the course of **ACS Reviewer Lab** in 2020
- Participated in **ACS on Campus** event in **2020**
- Completed a course on "**Geospatial Inputs for Enabling Master Plan Formulation**" by **IIRS** and **ISRO** in 2020
- Participated in the webinar series on "**Rainwater Harvesting**" conducted by **IIT Madras** and **ICCW** in **June 2020**
- Participated in the webinar series on "**water challenges during and post COVID-19**" conducted by **IIT Madras** and **ICCW** in **May 2020**

Areas of Interest:

- **Nanocrystals and Nanochemistry**
- **Solid state chemistry**
- **Materials science**

Hobbies:

Quizzing, travelling, reading about history and recent developments in science and geopolitics