

# Nitya Kasera

[LinkedIn Portfolio](#)

## CONTACT INFORMATION

---

Mobile: (+91) 88175 70025

Email: [nityakasera5@gmail.com](mailto:nityakasera5@gmail.com)

[www.linkedin.com/in/nitya-kasera](http://www.linkedin.com/in/nitya-kasera)

## EDUCATIONAL QUALIFICATION

---

- **Indore Institute of Science and Technology, Indore, Madhya Pradesh, India**  
(September '20- Present)  
Bachelors of Technology [B.Tech.] Chemical Engineering CGPA: 8.7
- **Shri Cloth Market Kanya Vidyalaya, Indore, Madhya Pradesh, India**  
Senior secondary education- (June' 17-April' 19)

## EXPERIENCES

---

- **Industrial Intern**
  - Industrial Exposure Industrial training at Aditya Birla Group's Grasim Industries Chemical Division, Nagda, Madhya Pradesh, India (July' 22)
- **Online Internship**
  - Online Internship offered by Indian Institute of Chemical Engineers, Jadavpur University Campus, Kolkata West Bengal (March' 23- April ' 23)
- **Research Intern**
  - Research Internship in the Department of Chemical Engineering at IIT Roorkee, Uttarakhand, India (September' 23- Present)
  - Research Internship in Department of Metallurgical Engineering and Materials Science at IIT Indore, Madhya Pradesh, India (May' 23- July' 23)

## ACADEMIC PROJECTS

---

- Extraction of Silica from Agricultural Waste
- Use of Perovskite for Low-Cost Solar Cells with Improved Efficiency
- Synthesis of Magnetite Magnetic Nanoparticles using Watermelon Rinds

## PUBLICATIONS

---

- First author in a published paper titled “Alternative Energy and Storage: 2021 to 2025”, published in the book titled Trends in Modern Technology and Engineering with ISBN 979-8427314886.
- First author in a publishes paper titled “Synthesis of Nano- Silica from Agricultural Wastes” published in International Research Journal of Engineering and Technology (IRJET) Volume 10 Issue 9 September 2023.
- Co-author in a under preparation paper titled - Case study of the analogy of the perovskite structures for the improved efficiency for photovoltaics devices.
- Co-author in a under preparation paper titled - Valorisation of Biomass.
- First author in a under preparation paper titled - Synthesis of Magnetite Magnetic Nanoparticles from Watermelon Rinds.

## CONFERENCES AND WORKSHOPS

---

- National Level Technical Paper Presentation organized by Department of Chemical Engineering, Indore Institute of Science and Technology.

- SCHEMCON 2021 Organized by MANIT and IISER Bhopal.
- SCHEMCON 2022 Organized by NIT Warangal and IIChe Hyderabad Regional Centre.
- Organized by Department of Chemical Engineering, IPS Academy and sponsored by SERB.

#### CERTIFICATION COURSES

---

- Chemicals and Health an online non-credit course authorized by Johns Hopkins University and offered through Coursera. (2021)
- Materials Science: 10 Things Every Engineer Should Know an online non-credit course authorized by University of California, Davis and offered through Coursera. (2021)
- Computational Fluid Mechanics - Airflow Around a Spoiler an online non-credit course offered through Coursera. (2023)

#### TECHNICAL SKILLS/ SOFTWARES

---

- AUTOCAD- P&ID
- CHEMCAD
- AFT Fathom
- SPSS – Software

#### EXTRA CURRICULAR ACTIVITIES & POSITION OF RESPONSIBILITIES

---

- President of the Society for Contemporary Affairs (The Lexicon Club) of college.
- First Position holder in Debate competition at college.
- Group Lead of Academic Project in third year.
- Backstage lead at college's cultural fest- Dazzle 2022 & 2023