**ROCHAK RANJAN PARIDA** Email : [rochakrp@iitk.ac.in](mailto:rochakrp@iitk.ac.in) | [rochakrp@gmail.com](mailto:rochakrp@gmail.com) Mob : +91 8826966624

**Academic Qualification**

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| **Year** | **Degree** | **Institute** | **CPI/%** |
| 2016 - 2020 | B. Tech., Mechanical Engineering | Indian Institute of Technology, Kanpur | 9.43/10.0 |
| 2016 | Senior Secondary | Suraj Bhan D.A.V. Public School, C.B.S.E. | 97.6% |
| 2014 | Secondary | Suraj Bhan D.A.V. Public School, C.B.S.E. | 10.0/10.0 |

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| **Educational Achievements**   * **Departmental Topper (Rank 1)** in **Mechanical Engineering Department** among over 100 UG students at IIT Kanpur. * Secured **All India Rank 1046** in **JEE (Advanced), 2016** and **All India Rank 217** in **JEE (Mains), 2016** * Recipient of **O.P. Bajaj Memorial Award** and **Rajnath Singh Scholarship** for **highest CPI** in ME dept. till 3rd year * Awarded **Certificate of Merit** thricefor **‘Academic Excellence’** by **IIT Kanpur**, **2016-17, 2017-18 and 2018-19** * Qualified **National Standard Examination in Physics (NSEP), Chemistry (NSEC) and Astronomy (NSEA)** with **State Top 1% in NSEP** and **National Top 1% in NSEC** by **Indian Association of Physics Teachers (IAPT), 2015-16** * Awarded the **Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship, 2015 (All India Rank 98)** by **I.I.Sc.** * Awarded the **National Talent Search Examination (NTSE) Fellowship, 2014** by **N.C.E.R.T.** * Awarded the **Junior Science Talent Search Examination (JSTSE) Fellowship, 2012-13 (Delhi Rank 16)** by **S.B.E.** |

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| **Internships**  ***Dr. Reddy’s Laboratories* | Research & Development Intern (Dr. Veera Pratap Reddy Kasina)** *(May ’19-July ‘19)*  Received **Pre-Placement Offer** **(PPO)** as a **Technical Trainee** under the **Young Leaders Development Program (YLDP)**  **Minipiloting techniques for Process Development of Wet Granulation process**   * Developed a working excel tool for visually representing the various regimes of operation in the wet granulation process * Established the quantitative relationship between the process parameters and the quality of wet granules from the process * Replicated and verified the regime map approach for the wet granulation process using small-scale experiments conducted   Impact: Robust scale-up of the wet granulation process can be done using the leading to minimal failures at the plant scale |

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| **Projects**  **Students-Undergraduate Research Graduate Excellence (SURGE) 2018, IIT Kanpur***(May ’18-July ‘18)*  **Effective thermal conductivity of porous media(Prof. Malay K. Das)**   * Coded and generated the two-dimensional pore microstructure image of a porous media using QSGS and RGG method * Reconstructed a 3D porous media from a 2D porous structure image using MCMC (Markov Chain Monte Carlo) method * Estimated the thermal conductivity of the generated porous media image in 2D using Lattice Boltzmann Method (LBM) * Analyzed and compared the thermal conductivity of the 2D porous media with the analytical formula using various models |

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| **Technical Skills**   * **Programming Languages**:  C, C++, Python, Fortran * **Software and Tools**:  Fusion 360, MATLAB, Ansys, SQL, HTML, CSS, Javascript | **Competitive Programming Experience**   * **Five star rating (5\*) - 2025** on **Codechef** * **Specialist, 1477 (max.) rating** on **Codeforces** * **1531st World Ranking** in **Google Kickstart** *(Aug ‘19)* * **2731st** **World Ranking** in **Google Hash Code** Qualification Round (*Feb ‘19*) * **4920th World Ranking** in **Google Code Jam** Qualification Round (*Apr ‘19*) |

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| **Positions of Responsibility**   * **Academic Mentor, Counselling Service** *(Apr ‘17-May ‘18)* * Assisted first year students to clear their doubts and did one-to-one mentoring in Engineering Graphics course * **Student Guide, Counselling Service** *(Apr ‘17-May ‘18)* * Supervised and guided first year students to get acquainted with the campus and culture of IIT Kanpur |