

Mintu Agarwal

2nd Year Undergraduate
Department of Industrial and Systems Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2018 - Present	B.Tech	Indian Institute of Technology, Kharagpur	9.25/10
2018	CBSE(XII)	Hariyana Vidya Mandir, Kolkata	90.2%
2016	WBBSE(X)	Gyan Bharati Vidyapith, Kolkata	90%

Scholastic Achievements

- Currently holding Department Rank 3rd among 70 students of Industrial and Systems Engineering Department, IIT Kharagput at the end of UG 2nd Year.
- Secured **All India Rank 6964** in **JEE Advanced 2018** among the 2.2 Lakh shortlisted candidates.
- Among the top 1% of the 1.05 million applicants in JEE Mains 2015.
- Secured **General Merit Rank of 243** in **WBSEE 2018** among 1.25 Lakh candidates.
- Secured Department Change to Industrial and Systems Engineering by acquiring a CGPA of **9.27** at the end of UG 1st Year.
- 1st Runner Up in Image Processing Event, Crusade during Kshitij'19 at IIT Kharagpur.
- Peak rating of **1957 on CodeChef** platform, **1719 on Codeforces**
- Acquired **Global Rank 996** among 8200 participants in Google Kickstart 2020(Round D).
- Participated in **State Level Camp** of Vidyarthi Vigyan Manthan 2017 Program conducted by Vigyan Prasar and Vigyan Bharati.

Key Projects

- Simulation and Schedule-generation for an Assembly Line**
Mentor: Prof. Goutam Sen, Department of Industrial and Systems Engineering. (Mar'20- Ongoing)
 - Team Project for simulating a Virtual Reality Environment of automated Hydraulic-excavators assembly using 3D Model developed on SketchUp with Unity3D or Unreal-Engine measuring safety levels for generated schedule.
 - Study and Implementation of Ant-Colony Optimization Algorithm which returns the ordered sequence of sites for operations during assembly.

Technical Skills

- Programming Languages:** C, C++, Python, HTML5, CSS
- Software and Libraries:** MATLAB, CPLEX, numpy, scipy, pandas, matplotlib, Solidworks, SketchUp, OpenCV, MySQL, Sublime Text

Positions of Responsibility

- Student Mentor at GOC-CP Mentor-Mentee Program** (Mar'2020-present)
 - Mentor to **6 freshmen** students, solving their Competitive Programming related doubts.
- Volunteer, National Service Scheme** (Aug'18-Mar'20)
 - Managed a group of NSS Unit members during the NSS Annual Camp 2018.
 - Conducted Donation-drive under Unit coordinator for Relief Funds started for states struck by natural calamities.

Relevant Courses

Design and Analysis of Algorithms Operations Research-I Probability and Statistics Basic Electronics Operations Research - II	Algorithms Laboratory Linear Algebra Information Systems and Design Lab Basic Economics
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