

# MINTU AGARWAL





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## EDUCATION

Degree	Institute / Board	Year	CGPA / %
B.Tech in Industrial Engineering	IIT Kharagpur	2018 - 2022 (Expected)	9.25 / 10
Central Board of Secondary Education	Hariyana Vidya Mandir	March, 2018	90.2 %
West Bengal Board of Secondary Education	Gyan Bharati Vidyapith	March, 2016	90.0 %

## AWARDS and ACHIEVEMENTS

- Holding **Department Rank 3** among 75 students of the Department of Industrial & Systems Engineering Jul'20
- **Peak Rating 1957** on CodeChef  and **1719** on Codeforces  Jul'20
- Acquired an **Official Rank of 125** among 12700 participants in **Codeforces Round 644(Div.3)**  May'20
- Acquired a **Rank of 44** among 2500 participants in **Hack the Interview VI(Asia Pacific)** on HackerRank.  Jul'20
- Acquired a **Rank of 996(Round D)** among 8200 participants in **Google Kickstart 2020**. Jul'20
- **Changed Department** to Industrial & Systems Engineering by acquiring **9.27 CGPA** in the first year Jul'19
- Acquired a **top 3.16%** rank in JEE Advanced-2018 and **top 1%** rank in JEE Mains-2018. Jun'18
- **1<sup>st</sup> Runner Up** at **Crusade**, Image Processing Competition, during Kshitij'19 at IIT Kharagpur. Jan'19
- Acquired **General Merit Rank of 243** in **WBEE 2018** among 1.25 Lakh candidates. May'18
- Participated in **State Level Camp** of Vidyarthi Vigyan Manthan 2017 Program conducted by Vigyan Prasar and Vigyan Bharati. Jan'17

## TERM PROJECTS

- Simulation and Schedule-generation for an Assembly Line** Prof. Prof. Goutam Sen | Spr'20
- Implemented Ant-Colony Optimization Algorithm which returns the shortest path for a Travelling Salesman Problem with a cost matrix given as an input.
  - Developed 3D Model on SketchUp for an Assembly Line for simulation with Unity3D or Unreal-Engine later to measure safety levels for schedules generated with the help of Ant-Colony Optimization.

## COURSEWORK INFORMATION

**Completed with Laboratory Component:** Algorithms, Programming and Data Structures, Operations Research

**Completed:** Information System and Design, Probability and Statistics, Linear Algebra

## SKILLS and EXPERTISE

**Languages/ OS :** C, C++, Python3, HTML, LaTeX, Windows, Ubuntu  
**Tools :** Git, Sublime Text, flask, CPLEX, MATLAB  
**Libraries :** C++STL, numpy, scipy, OpenCV

## POSITIONS of RESPONSIBILITY

- Student Mentor** at GOC-CP Mentor-Mentee Program, IIT Kharagpur Apr'20 - Present
- **Mentor** to 6 students of the junior batch, act as the first stop for all their competitive programming related doubts.
- Volunteer** at National Service Scheme, IIT Kharagpur July'18 - Apr'20
- **Conducted Donation Drive** for Relief Fund for Kerala 2018 Floods in Vikram Sarabhai Residential Complex, IIT Kharagpur.
  - **Conducted Surveys** on Municipal services in the Gopali Region of Kharagpur to learn about their grievances and act on them.
  - **Conducted Awareness Drive** on Blood Donation in the Nachna Village, Kharagpur.