

# Avijit Mandal

[LinkedIn](#) [Github](#)

3rd Year Undergraduate

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Department of Computer Science and Engineering

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## Academic Qualifications

Year	Degree/Certificate	Institute	CGPA/%
2018 - Present	B.Tech+M.Tech	Indian Institute of Technology, Kharagpur	8.82/10
2018	AISSCE	Jawahar Navodaya Vidyalaya, Ranga Reddy	93%
2016	AISSE	Jawahar Navodaya Vidyalaya, Bankura	9.8/10

## Scholastic Achievements

- Secured **Global Rank of 1267** in **Google Kick Start Round D 2020** among the 11517 Participants.
- Regular Participant in **Codeforces** with maximum Rating **1687**. [Profile Link](#)
- Secured **Global Rank of 163** in **Codeforces Round #659 (Div.2)** among the 211171 Participants.
- Regular Participant in **Codechef** with maximum Rating **1770**. [Profile Link](#)
- Qualified for finals of **Source Code** and **Overnite** in Kshitij, Asia's largest techno-management fest, IIT Kharagpur, 2020
- Received the **Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship** award in SA stream in 2017.
- Among the top 0.3% of the 10.5 Lakh applicants in JEE Mains 2018.

## Key Projects

- Online Blood Bank Management System** (Feb'2020- May'2020)  
**Mentor: Prof. Debasis Samanta**, Department of Computer Science and Engineering.
  - Blood Bank Management System is **web-based** application that is intended to be used by the Hospital authority personnel and volunteer Blood Donors.
  - The software will encompass **Graphical User Interface, Database and Networking concepts** and explored various stages of Software Development Life Cycle including **SRS preparation, UML Designing, Implementation and Testing**.
  - Developed an **object orientated** system using **Python** to provide an online platform for Hospital authority to find nearest blood donor available and get access to look after all blood repository of registered Hospitals .
  - The application used the prototype of Facebook with the facilities **Blog Posting, Commenting, Sending Request** and also Hospital's Individual **Blood Repository** maintainence.
  - It allows donors to make himself/herself unavailable for donation throughout a duration. Also implemented a **Reward** System which can be used for the payment system.
  - GitHub** link for the Code of this project is [here](#).

## Technical Skills

- Programming Languages:** C, C++, Python, HTML5, CSS3, Java, JavaScript • **Frameworks:** Flask, Django, Bootstrap
- Software** Visual Studio, Pycharm, Solid Works • **Libraries:** STL C++
- Operating System** Ubuntu 20.04, Windows 10, pop-os 20.04 • **Databases:** SQLite, MySQL

## Relevant Courses

Programming and Data Structure* Algorithms I* Discrete Structures Probability and Statistics Introduction to Electronics*	Software Engineering* Formal Language and Automata Theory Signals and Networks* Switching Circuits and Logic Design* Algorithms for Text Analytics*
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\*: Theory and Laboratory

## Extra-Curricular Activities

- Senior survey team member of NSS Unit II .Collected winter clothes from IIT campus for donation in nearby villages.
- Part of the Silver winning **Illumination** of Lal Bahadur Sastri Hall of Residence.
- Represented Chatra district of Ranchi A cluster in Badminton in Cluster games 2015.
- Represented several districts of Ranchi A cluster in Science in Regional Science Congress 2015.