RICHA
Chemical Engineering
Indian Institute of Technology Kharagpur
https://github.com/Richa1509

23CH10084
B.Tech
Female
DOB: 15/09/2005

Examination	Institute	Year	CGPA / %
B.Tech	IIT Kharagpur	2027	8. '4
Class XII, CBSE	Rishikul World Academy, Sonipat	2019	95 %
Class X, CBSE	Rishikul World Academy, Sonipat	2017	99.2 %

TECHNICAL STRENGTHS

- **Computer languages**   C++, C, Python, Java
- **Web**   Javascript, HTML, CSS
- **Software and tools**   Linux shell, AutoDesk Fusion360, MS Office, SolidWorks, Arduino IDE ,Report automation,EDA,SQL,Excel,Power BI,Data cleaning

WORK EXPERIENCE AND PROJECTS

Extended Girl Script summer of code   *November 2024*
- Contributed to open-source projects as part of the GirlScript Summer of Code.
- Enhanced coding skills through real-world problem-solving in a collaborative setting.
- Collaborated with other contributors to develop and improve project codebases.

Machine learning Intern   July 2024
- Gained hands-on experience with data analysis and model development.
- Analyzed financial data to improve model accuracy and performance of stock price prediction model

Stanford University   *May 2024- July 2024*
Course under Coursera on Machine learning Specialization
- Worked on supervised machine learning: regression and classification
- Learned advanced learning algorithms
- Practiced unsupervised learning; recommenders, reinforcements learning

Winter Camp   *December 2023*
Workshop by Technology Robotix Society, IIT KGP
- Gained valuable insights on Artificial Intelligence and Computer Vision with deeper concepts

Code Canvas   *December 2023*
Workshop under Kodein KGP
- Worked on web development languages - HTML, CSS, Javascript
- Implemented on many projects with ranging difficulty and challenges

IoT based Emergency callout device   *November 2023*
- Led a team of four to come out with a device with a social cause by using IoT

POSITIONS OF RESPONSIBILITY

Technology Secretariat   **[July'24-Present]**
- Organized tech-related events and workshops for Mother Teresa Hall residents.
- Encouraged tech engagement and facilitated access to resources.

Wing Representative of Mother Teresa Hall   [July'24- Present]
- Organized wing events to foster community and engagement.
- Acted as a liaison between hostel administration and residents for clear communication.

Volunteer - Kshitiz   [Jan 2022]
- Contributed to managing a 4-day technical fest, Kshitiz at IIT KGP as the position of volunteer
- Guided participants and attendees, enhancing their event experience

Head Girl of School   [2022-2023]
- Organizing several school events and mentored juniors
- Served as a bridge between students and school administration

RELEVANT COURSES

- **Programming and Data Structures**
- **Machine learning specialization**
- **Advanced Calculus**
- **Linear Algebra and Complex Analysis**
- **Electrical Technology**
- **English for Communication**

ACADEMIC ACHEIVEMENTS

- Secured a department change, a privilege given to top 1% student of the batch.
- Secured 19th rank in the National *WoodStock* stock price prediction competition at Kshitij, IIT Kharagpur.
- Won consecutive gold medals in International Mathematics Olympiad (IMO) in 2016,2017,2018

EXTRA CURRICULAR ACTIVITIES

- State level debate winner in 2022
- Bronze medal in state championship in badminton (Junior Girls) ,2019
- Led team which won gold medal in national GK quiz against Assam in 2016