



# SUNAINA DAS



## ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
---	B.Tech in Materials Engineering	Indian Institute of Technology Delhi	6.855
2021	CBSE	DPS RK Puram	95%
2019	CBSE	DPS RK Puram	96.2%

## SCHOLASTIC ACHIEVEMENTS

- **Science and Maths Talent Examination:** Secured rank 99 among 200+ DPS schools [2018]
- **National Science Olympiad:** Secured rank 4 at the national level and 1 at state level among 10 lakh students [2017]

## INTERNSHIPS

- **Arcelor Mittal, Remote** (October, 2022 - November, 2022) : *Digital Transformation*
  - Identified different stages in digital consulting and best practices in each stage.
  - Created an outline for the discovery phase including how to identify stakeholders, set timelines and define business goals effectively.
  - Made matrices, tables and questionnaires like RACI matrix, and stakeholder matrix to quantify abstract data.
- **Cargill Business Services, Remote** (December, 2022 - Ongoing) : *Data and Business Analysis*
  - Made queries on SQL to analyse data from 6 databases using Advanced SQL, Advanced Join, SQL functions, and concepts of Relational Algebra
  - Worked with a multinational team and processed large datasets (40,000+ records) for SAP testing in Guilin, China using Excel

## PROJECTS

- **Reading Comprehension with Natural Language Processing** (November, 2022 - December 2022) :
  - Made a software on Google Colab using the BERT (Bidirectional Encoder Representations from Transformers) model
  - Loaded and cleaned data from local CSV file and generated a random number to test the model
- **Front End Developer, Academic Outreach** (July, 2022 - September, 2022) :
  - Worked with a team of 10 people to deploy a responsive website in React using Bootstrap for Academic Outreach IIT Delhi
  - Primarily added content, set up pages and fixed element positioning
- **Captcha Solver for Moodle** (May, 2022) :
  - Manipulated DOM using JavaScript to read and solve captcha, and added it to the JSON file so it loads automatically when the page is refreshed
  - Maintained on GitHub with a README so it can be accessed for future projects
- **Sudoku Solver** (June, 2022) :
  - Made a sudoku solver Python using nested arrays and backtracking which could solve 90% of test cases under 2 minutes

## TECHNICAL SKILLS

- **Certifications:**
  - Excel for Business Specialisation, Macquarie University
- **Programming Languages:** Python, C++, C, C#, Java (**Codeforces Rank: 1009**)
- **Data and Business Analytics:** Hadoop (Base Hadoop, Apache Pig and Apache Hive), MySQL, MongoDB, Excel
- **Front End Development:** ReactJS, Bootstrap, JavaScript, HTML, CSS

## EXTRA CURRICULAR ACTIVITIES

- First Prize in Cryptic Hunt organised by Beta Society, IIT Delhi
- Worked with NSS, IIT Delhi to teach underprivileged children and participated a collection drive to help low income families using donations

## POSITIONS OF RESPONSIBILITY

- **Developer, DevClub** (August, 2022 - Ongoing)
- **Technology Executive, Materials Engineering Society** (December, 2022 - Ongoing)