

# Vartika Jain

## B.Tech. | NIT Rourkela

Final Year, Metallurgical & Materials Engg.  
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## Education

2021-PRESENT  
B.TECH., MME  
NIT Rourkela  
CGPA : 8.36/10

JULY 2020  
INTERMEDIATE  
Joy Senior Secondary School, Jabalpur  
Percentage: 87.8%

MAY 2018  
MATRICULATION  
Joy Senior Secondary School, Jabalpur  
Percentage: 88.2%

## Links

LinkedIn:// Vartika Jain

Leetcode:// Vartika Jain

GitHub:// Vartika Jain

## Skills

GENERAL PROGRAMMING  
C, C++, Python, Java

OPERATING SYSTEMS  
Windows, Ubuntu

SOFTWARES  
Matlab, Google Colab, MS Excel

LANGUAGES  
English, Hindi

## Relevant Courses

Data Structures and Algorithm  
Data Science  
Machine learning  
Database Management System  
MySQL  
Deep Learning  
Data Visualization  
Operating Systems  
System Design

## Work Experience/Projects

- |          |   |                      |
|----------|---|----------------------|
| MAY 2024 | <b>Jindal Steel &amp; Power Limited</b>   | <b>Summer Intern</b> |
|          | <b>Topic: Plate Mill- Throughput Improvement</b>  |                      |
|          | <ul style="list-style-type: none"><li>Offered a <b>data visualization</b> and <b>PowerBI analysis</b> of different incoming slab grades and improving the FTR from <b>93.5% to 95%</b>.</li></ul>   |                      |
| MAY 2024 | <b>Ecartes Technolgy Pvt Limited</b>  | <b>SDE Intern</b>    |
|          | <ul style="list-style-type: none"><li>Worked on creating the NFC business card website, which is a smart business card that allows you to exchange contact information using near-field communication technology</li></ul>  |                      |
| JAN 2024 | <b>Object Recognition using Machine Learning</b>  |                      |
|          | <ul style="list-style-type: none"><li>Studied, implemented and analysed following <b>object detection models</b> : YOLO, RCNN, and Fast RCNN.</li><li>Efficiency achieved : <b>YOLO-94.2%, Fast RCNN-91.4%, and RCNN-89.4%</b> on Pascal VOC Dataset.</li><li>Developed a <b>Dog vs Cat recognition model using CNN .efficiency: 84.2%</b> on Kaggle Dataset.</li></ul> |                      |
| DEC 2023 | <b>Employee Management System</b>   |                      |
|          | <ul style="list-style-type: none"><li>Architected a <b>Java-based employee management</b> platform featuring robust <b>CRUD</b> capabilities; improved <b>data accuracy by 40%</b> and enabled HR staff to access real-time employee information seamlessly.</li></ul>  |                      |
| AUG 2023 | <b>IMDB Dataset analysis</b>  |                      |
|          | <ul style="list-style-type: none"><li>Designed and implemented <b>SQL queries</b> to streamline data extraction processes from the IMDB dataset, reducing analysis time by 30 hours monthly and allowing for faster decision-making in marketing strategies. .</li></ul>  |                      |

## Achievements/Certifications

- |           |   |                              |
|-----------|---|------------------------------|
| JULY 2023 | <b>CodeKaze</b>   | <b>Round-2 Qualification</b> |
|           | Participated in the Coding Ninjas' CodeKaze coding contest and advanced to round 2.                   |                              |
| AUG 2023  | <b>Flipkart GRiD 5.0</b>  | <b>Participation</b>         |
|           | Participated in All India Flipkart GRiD 5.0- Robotics challenge and advanced to round-2.              |                              |
| AUG 2024  | <b>DSA &amp; competitive programming</b>  | <b>Coding Ninja's</b>        |
|           | Completed a course on Data structure, Algorithm and competitive programming offered by Coding Ninjas. |                              |
| 2024-NOW  | <b>Data Science</b>   | <b>Devtown</b>               |
|           | Completed a course on Data Science offered by Devtown.  |                              |

## Extra Curricular Activities

- |      |   |                   |
|------|---|-------------------|
| 2022 | <b>Coordinator, Event Management team</b>   | <b>Innovision</b> |
| 2022 | <b>Team Member, National Service Scheme</b> | <b>NSS</b>        |
| 2016 | <b>Team leader, Badminton team</b>          | <b>Badminton</b>  |