

# Pulakesh Bag

## B.Tech. | NIT Rourkela

Third Year, Computer Science & Engg.  
DOB: 14 September 2001  
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## Education

2020-2024  
B.TECH., CSE  
NIT Rourkela  
CGPA : 8.17/10(till 5th Sem)

MAY 2019  
INTERMEDIATE  
Khasmorah High School, Domjur  
Percentage: 95%

MAY 2017  
MATRICULATION  
Khasmorah High School, Domjur  
Percentage: 94.5%

## Profiles

LeetCode:// [PulakeshLeetcode](#)  
CodeChef:// [PulakeshCC](#)  
Codeforces:// [PulakeshCF](#)  
GFG:// [PulakeshGFG](#)  
Github:// [PulakeshGitHub](#)  
LinkedIn:// [Pulakesh](#)

## Skills

GENERAL PROGRAMMING  
C, C++, Verilog, Matlab, Dart  
OPERATING SYSTEMS  
Windows  
FRAMEWORKS  
Flutter  
LANGUAGES  
English, Hindi, Bengali

## Relevant Courses

Data Structures  
Algorithm  
Discrete Mathematics  
MySQL  
Optimization Techniques  
Numerical Methods

## Work Experience/Projects

2022-NOW **File Compressor-Decompressor Software in C++** [Github Link](#)  
**Topic: Project in c++ using Huffman Algorithm**

Made a file zipper-unzipper software in C++ language using variable length coding scheme and Huffman Coding Algorithm. Achieved 53% reduction in file size. Works for .txt files and compresses in .huf (Huffman compressed) files.

2020-NOW **Expert Tutor of Other Math at Chegg** **Part -Time**  
**Topic: Subject Matter Expert**

Provided assistance in studying and doubt solving for students who do not have mathematics as primary or secondary paper. Till now helped more than 300 students to excel in other maths.

## Achievements/Certifications

2017-2019 **JBNSTS Junior Scholar Award** **Winner**  
Received Scientific excellence award from Jagadish Bose National Science Talent Search, Kolkata for academic excellence in class 10th.

2019-2020 **JEE Main** **Participant**  
Secured AIR 4004 among approximately .

2021-2021 **Google Kick Start** **Participant**  
Secured rank 3500 among approximately ten thousand participants.

## Extra Curricular Activities

2020-2021 **Volunteer, National Service Scheme** **NSS**  
I have been part of the youth organization and attended several social drives which focuses solely on the socio-economic, educational development of society and took a close look of health hygiene of local people.

2020-PRESENT **Member, CodeRed**  
I have been a part of CodeRed, the competitive programming and algorithmic club of NIT Rourkela.