

# Hrishabh Raj

Software Development Engineer - I



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LinkedIn



GitHub



## Education

### Bachelor of Technology in Computer Science Engineering

Malout Institute of Management and Information Technology  
(I.K Gujral Punjab Technical University) | 2023 | GPA – 8.276

### Higher Secondary

TC +2 High School, (Bihar School Examination Board) | 2019 | 68%



## Projects

### Depression Detection using Machine Learning

- This project used data from social media networks to explore various methods of early detection of depression based on machine learning and PHQ9 based test.
- Technology Used: Machine Learning Concepts, **Python**, **Flask**, **HTML**, **CSS**, **JavaScript**

### Rubik's Cube Solver

- This project was developed for learning purposes. It performs **Thistle Thwaite's Algorithm** based on Groups Theory. This program solves a Rubik's cube using axial metric. This is still in development phase.
- Technology Used: **C++**, **OpenCV**



## Technical Skills

- Programming Languages:** C++ Python
- Problem Solving:** Data Structures & Algorithms OOPs
- Database Management:** MySQL NoSQL
- Web Development:** HTML CSS JavaScript PHP
- Others:** Machine Learning Linux (Debian)



## Experience

### Internship


#### Twowaits Technologies Pvt. Ltd

#### Tathastu Data Science & Machine Learning Scholar Intern

- Performed Exploratory Data Analysis on Real-World Datasets and Developed a model to extract and represent the knowledge gained from the Data.
- Implemented a 2-phase model to predict and visualize trends accordingly.



## Achievements

- Secured a **global rank of 216 among 12k+** participants in May Lunchtime 2022 on Codechef
- Secured a **global rank of 312 among 27k+** participants in June Challenge 2021 on Codechef
-  **HackerRank Handle**  
C++ 5\* | Python 5\* | Problem Solving 4\*  
| SQL 5\* |



## Certifications

- Problem Solving (Intermediate)
- C++ | Python
- Machine Learning with Python
- Ethical Hacking with Python Scripting
- Complete Web Development Bootcamp



Codechef



GeeksforGeeks



LeetCode



CodeForces