



# HARSH MAURYA

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Indian Institute  
of Technology  
Roorkee



## Education

Indian Institute of Technology, Roorkee

Bachelor of Technology in Mechanical Engineering (CGPA of 8.337)

November 2020 – May 2024

Uttarakhand, India

## Experience

Bhu Amrit | Certificate

App Development Intern

May 2023 – July 2023

Roorkee, India

- Developed a responsive e-commerce app using **Flutter** and **Firebase**, with distinct interfaces for users and seller.
- Implemented Firebase backend services for **secure** authentication and **real-time** product updates.
- Integrated Firebase **cloud** functionalities for in-app transactions with Flutter's implementation of UPI payments.
- Conducted testing and debugging processes to ensure the app's stability and functionality before deployment.

## Projects

Cards2Gather | Video | Link

December 2022 – April 2023

- Created the Cards2Gather gaming app using Flutter's **Dart** language and **Firebase** backend. Employed Flutter's framework for user interface components and game logic implementation.
- Integrated the NearBy Connections API for real-time multiplayer features, allowing offline gameplay. Developed the card shuffling algorithm, turn-based mechanics, and room hosting logic for an engaging card game experience.
- Successfully **deployed** the app on the **Google Play Store** for widespread access and enjoyment.

Web-Based Metaverse | Video | Link

August 2022 – October 2022

- Developed a web-based metaverse using **Three.js** for 3D environments, incorporating avatars and models sourced from open-source platforms and avatar generation tools.
- Implemented **Firebase** for secure authentication, enabling **real-time** chat and multi-player experiences, integrated e-commerce features with 3D product models for interactive user engagement.

## Personal Projects

- ChatBreeze<sup>🔗</sup>
- CloudNote<sup>🔗</sup>
- NewsWave<sup>🔗</sup>
- MyPortfolio<sup>🔗</sup>

## Achievements

- \* Open Track's first place winner: **Syntax Error Hackathon 2023** conducted by SDS Labs of IIT Roorkee
- \* Secured **global rank 560** in Codeforces Round #889 (Div. 2) 2023
- \* Secured **global rank 815** in Educational Codeforces Round #154 (Div. 2) 2023
- \* Secured **global rank 541** in Codeforces Round #894 (Div. 3) 2023
- \* Maximum Rating of **1682 (Expert)** at Codeforces (Handle: harshm\_01)
- \* Solved **over one thousand** problems on all major coding platforms and online judges.

## Technical Skills

Computer Languages: C++, JavaScript, HTML5, CSS, SQL, Dart

Technologies/Frameworks/Libraries/Database: ReactJS, MERN Stack, Flutter, Tailwind

Software Packages: Visual Studio Code, ChatGPT, Android Studio, MySQL, Figma

Courses/Topics: Data Structure and Algorithms, Object-Oriented Programming, Database Management System, Computer Networks, Operating System

## Profiles

- PORTFOLIO**
- CODEFORCES**
- LeetCode**
- InterviewBit**
- GitHub**