



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

App Development Intern

May 2023 – July 2023

Roorkee, India

- Developed a responsive e-commerce app using **Flutter** and **Firestore**, with distinct interfaces for users and seller.
- Implemented Firestore backend services for **secure** authentication and **real-time** product updates.
- Integrated Firestore **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 **Firestore** 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 **Firestore** for secure authentication, enabling **real-time** chat and multi-player experiences, integrated e-commerce features with 3D product models for interactive user engagement.

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

Software Packages: Visual Studio Code, 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