



# Hardik Roongta

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B.Tech - Electronics and Communication Engineering  
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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.60 (Current)	2021-Present
Senior Secondary	CBSE	83.6%	2021
Secondary	CBSE	94.8%	2019

## EXPERIENCE

- Wishtales Inc.** Mar 2024 - Aug 2024  
*Software Developer Intern* Remote
  - Developed user interfaces for **Wishtales** (AI-driven content generation platform) & **DankAI** (video editing platform) apps using **Flutter**, integrated APIs, authentication, and **state management** with **Riverpod** to enhance user experience.
  - Integrated the feature **AI playground**, allowing users to generate text, images, animations, music based on text prompts.
  - Implemented a robust **encrypted video download** system for offline playback, utilizing **Dart isolates** for concurrent download processes and implementing **segmented AES encryption** to enhance anti-piracy measures.

## PROJECTS

- GateLog (OneStop): Digital Gate Access Manager** Apr. 2024 - Aug. 2024  
*Students' Web Committee, IIT Guwahati* [bit.ly/onestop-play](https://bit.ly/onestop-play) | [bit.ly/gatelog-gh](https://bit.ly/gatelog-gh)
  - Led the rollout of an IoT-based functionality for the **OneStop (IITG Campus App)**, automating campus **entry/exit tracking**, and eliminating the manual pen-and-paper approach, efficiently handling **600+ records per day**.
  - Designed and implemented a **microservice architecture**, that integrates **RESTful APIs** and a **WebSocket server** to streamline communication between the **ESP32 controller**, **mobile app**, and **backend server**.
  - Achieved a **19% increase** in monthly active users (**from 7,500 to 9,000**) and a **16.7% growth** in daily active users (**from 2,500 to 3,000**) on the OneStop app, significantly enhancing user engagement.
- CollegeCupid: IITG Matchmaking App** Oct. 2023 - Feb. 2024  
*Students' Web Committee, IIT Guwahati* [bit.ly/cupid-app](https://bit.ly/cupid-app) | [bit.ly/cupid-gh](https://bit.ly/cupid-gh)
  - Launched an end-to-end college matchmaking application for Valentine's day, built with **Flutter**, on both **Play Store** and **App Store**, rapidly gaining **over 1,500 users** and facilitating **150+ matches** within the first week.
  - Designed a **zero-trust server architecture** by devising a bespoke **Diffie-Hellman key exchange** solution and integrating **AES Encryption algorithms** to deliver comprehensive end-to-end encryption and safeguard user privacy.
  - Leveraged **Azure Active Directory** for authentication, managed image storage with **Docker volume**, and deployed the server on **AWS EC2** using **Docker** & **NGINX**, while automating **CI/CD** through **GitHub actions**.
- Hotshot: Restaurant Delivery App** Jan. 2023 - Feb. 2023  
*Bronze medal - Inter Hostel Tech Meet (Kriti' 23)* [bit.ly/hotshot-gh](https://bit.ly/hotshot-gh)
  - A **Flutter-based** food-ordering app with separate restaurant and customer interface, served by a **Node.js backend**.
  - Integrated features including **online payment**, **order history**, **search**, **cart**, **restaurant filters**, **QR verification**.
  - Implemented **Firebase Google & mobile authentication**, integrated **REST APIs** & **Razorpay payment gateway**.

## TECHNICAL SKILLS

- Programming:** C/C++, Dart, JavaScript
  - Frontend Technologies:** Flutter, React.js\*
  - Backend Technologies:** Node.js, WebSockets
  - Databases:** Cloud Firestore, MongoDB, MySQL
  - Cloud Technologies:** Docker, GitHub Actions\*, AWS\*
  - Miscellaneous:** Git, Linux, Postman
- \*Elementary proficiency

## KEY COURSES TAKEN

- Computer Science:** Introduction to Computing<sup>+</sup>, Computer Networks, Data Structures and Algorithms<sup>+</sup>
- Mathematics:** Linear Algebra, Basic Calculus, Probability and Random Processes, Blockchain <sup>+</sup>Lab & Theory

## POSITIONS OF RESPONSIBILITY

- App Team Lead, Students' Web Committee, IIT Guwahati** Apr. 2024 - Present
  - Leading a team of 15 app developers, organizing tech events, conducting user research, and collaborating with UI/UX designers, product managers, and web developers to maintain the IITG campus app, OneStop.
  - Managed project timelines, facilitated stakeholder collaboration, and provided technical guidance for the Mobile App for ICRAGEE conference organized by the Civil Department of IITG.

## ACHIEVEMENTS

- Inter-Hostel Tech Meet:** Secured **Bronze medal**, among **11** participating hostels, also achieving **full score**. 2023
- Joint Entrance Examination (Advanced):** Secured **All India Rank 1540** among **0.15 million** students. 2021
- Joint Entrance Examination (Main):** Secured **All India Rank 2587** among **1 million** students. 2021