



# Hardik Roongta

Roll No.:210102036

B.Tech - Electronics and Communication Engineering

Indian Institute of Technology, Guwahati

+91-9783996255

hardikroongta8@gmail.com

r.hardik@iitg.ac.in

github.com/hardikroongta8

linkedin.com/in/hardikroongta8

## 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 AI** Mar 2024 - Aug 2024  
*Software Development Intern* Remote
  - Developed screens, integrated APIs for **Wishtales**, a content generation platform leveraging MultiModal AI, and **DankAI**, an AI based video editing platform.
  - Built the screens for **AI Playground**, allowing users to generate text, images, animations, music using text prompts.
  - Implemented an **Encrypted Video Downloads** feature, utilizing **Dart Isolates** for parallel downloading and **AES Encryption**, to prevent piracy.

## 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-github](https://bit.ly/gatelog-github)
  - Led the development of an **IoT-based** feature for **OneStop (IITG Campus App)**, automating the recording of campus entries/exits and eliminating the manual register process.
  - Developed and integrated a **Microservice**, comprising **RESTful APIs** and a **WebSocket server** to facilitate seamless communication between an **ESP32 Controller**, **Mobile App**, and **Backend Server**.
  - Contributed to significant user growth, achieving a **19% increase** in monthly active users and a **16.7% increase** in daily active users on the OneStop app.
  - Tech Stack: **Flutter**, **Node.js**, **Arduino**, **MongoDB**, **Docker**, and **MongoDB**.
- **CollegeCupid: IITG Confession/Matchmaking App** Oct. 2023 - Feb. 2024  
*Students' Web Committee, IIT Guwahati* [bit.ly/cupid-play](https://bit.ly/cupid-play) | [bit.ly/cupid-github](https://bit.ly/cupid-github)
  - Developed a **Flutter** based **Full-Stack** College Matchmaking Mobile Application for Valentine's Day.
  - Utilized **Diffie-Hellman Key Exchange** and **AES Encryption** Algorithms for end-to-end encryption and user privacy.
  - Developed the backend using **Node.js** & **MongoDB**, and deployed on **AWS EC2** using **Docker** & **NGINX**.
  - Released the app on **Play Store** and **App Store**, gaining **1500+ users** and **150+ matches** in the first week.
- **A Restaurant Delivery/Takeout Application** Jan. 2023 - Feb. 2023  
*Bronze medal - Inter Hostel Tech Meet (Kriti' 23)* [bit.ly/kriti-ps-github](https://bit.ly/kriti-ps-github)
  - A **Flutter** based food-ordering mobile app (with both Restaurant and Customer side) for campus eateries.
  - Features include **Online payment**, order history, search, **Phone** and **Google authentication**, QR verification.
  - Implemented **Firebase authentication**, integrated **REST APIs** & **Razorpay Payment Gateway**.

## TECHNICAL SKILLS

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

## KEY COURSES TAKEN

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

## POSITIONS OF RESPONSIBILITY

- **App Team Lead, Students' Web Committee, IIT Guwahati** Apr. 2024 - Present
  - Leading a team of 15 app developers, collaborating with UI 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

- **AIR 1540**, in JEE Advanced 2021, among 0.14 million students. 2021
- **AIR 2587**, in JEE Main 2021, among 1 million students. 2021