Hardik Roongta

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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 | 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 | 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
  - 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++, 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[+], Computer Networks, Data Structures and Algorithms[+]
- **Mathematics**: Linear Algebra, Basic Calculus, Probability and Random Processes, Blockchain

[+]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*