

# Rishika Paul

[rishikapaul335@gmail.com](mailto:rishikapaul335@gmail.com) | [LinkedIn Rishika Paul](#) | [Github @Rishika-335](#)

## EDUCATION

**Chandigarh University** [QS World University Ranking 231]

Mohali, Punjab

B.E Computer Science and Engineering, **CGPA: 8.4/10.0**

August 2023 – Expected June. 2027

## EXPERIENCE

**HackByte 3.0**

Madhya Pradesh

Implementation

April 2025

- Awarded Best Beginner Team out of 128+ teams for building a smart musical glove using gesture-based input and multi-instrument sound playback.
- Designed and implemented the PyQt5-based desktop UI with real-time sensor data display and audio feedback.
- Developed backend logic in Python to process IMU, flex, and ToF sensor inputs, enabling accurate chord recognition across guitar, piano, and drum datasets.

**MediSwift Partner- Medicine Delivery App**

DEV SEC IT, Raiganj

Android Developer Summer Intern

June 2025 – Present

- Built an Android app for delivery personnel using **Firebase Realtime Database, Authentication, and Cloud Messaging** for secure and real-time operations.
- Implemented scalable and modular codebase using **Jetpack Compose** and MVVM architecture.
- Integrated push notifications and dynamic order tracking tailored for real-world delivery operations.

## PROJECTS

**Harmoni Hand** [Arduino, Python, Sensors (IMU, Flex, ToF)]

April 2025

- **Problem:** Traditional music learning requires different instruments, physical dexterity, and costly hardware—limiting access for beginners and differently-abled users.
- **Solution:** A smart glove-based musical interface that maps hand gestures and movements to chords in real-time, enabling audio playback for guitar, piano, and drums.
- **Designed With:** Cross-instrument gesture recognition—learn a gesture once and apply it across instruments for real-time feedback and sound. Increases accessibility by replacing complex instruments with a low-cost, portable glove that enables intuitive, gesture-based learning for all skill levels.

**MedShare** [ Kotlin, Java (Spring Boot), MongoDB, AWS]

January 2025 - April 2025

- **Problem:** Limited access to essential medicines during late hours or emergencies in hostels and apartments.
- **Solution:** A real-time, peer-to-peer mobile app that allows users to request and share medicines nearby using location-based matching and instant communication.
- **Designed With:** Privacy-focused architecture and a clean, responsive user interface for quick emergency handling.

## TECHNICAL SKILLS

**Languages(Proficient):** Java, Python, MySQL

**Frameworks(Proficient):** Jetpack Compose, Flask

**Languages(Familiar):** C, C++, Kotlin, Latex

**Other Skills:** Microsoft tools (Powerpoint, Word, Excel), Figma, Canva

## INTERPERSONAL SKILLS

Analytical | Collaborative | Adaptable | Accountable | Meticulous

## AWARDS AND ACHIEVEMENTS

- **Achiever's Award 2025 at Chandigarh University**
- **Hackathon Winner at HackByte 3.0**
- **Gold Medalist in International Mathematical Olympiad(IMO) in 2020**