# Abir Debnath

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## SUMMARY

- App Development • Python

## WORK EXPERIENCE

**Core Technical Member — Anima, The Aero Club of NIT Agartala**     March 2025 - present
- Designed and built fixed-wing and singlerotor aircraft for technical competitions and research projects.
- Operated as a drone pilot, conducting flight tests and aerial surveys.

## PROJECTS

**Spotify Clone (Redesigned) — Flutter, FastAPI, PostgreSQL**     Link to Repo
- Developing a cross-platform music streaming app inspired by Spotify with a redesigned UI and additional features beyond the official app.
- Building the frontend with Flutter and the backend using FastAPI with PostgreSQL for data management.
- Planned features include collaborative playlists, personalized recommendations, lyrics display, and offline playback.
- Focused on MVVM architecture and smooth user experience during development.

## EDUCATION

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|---|---|---|
| 2024 - present | B.Tech in Computer Science and Engineering at **NIT Agartala** | (CGPA: 8.9/10.0) |
| 2024 | JEE Mains | (95.4 percentile) |
| 2024 | Class 12th CBSE Board | (92.4%) |
| 2022 | Class 10th CBSE Board | (96.6%) |

## VOLUNTEER / LEADERSHIP EXPERIENCE

**Leadership & Volunteering**     **2025 – Present**
- Collaborated on and contributed to core technology projects for the Anima Aero Club.
- Mentored junior members in Flutter projects, guiding them through development and implementation.

## SKILLS

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| **Programming & Frameworks** | **Flutter**, **Dart**, Git, JSON, REST APIs |
| **Development Tools** | **Android Studio**, VS Code, Firebase, GitHub, PostgreSQL |
| **Projects** | Redesigned **Spotify Clone** (Flutter/Dart) |
| **Aeronautical** | Airplane Design, Construction, Piloting, Aerodynamics |