# JOY MRIDHA

Android Developer

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## EDUCATION

**Netaji Subhash Engineering College**                                                                        Jun 2021 - Jul 2024
BCA - Bachelor of Computer Applications                                                                    **CGPA: 8.5/10**

## SKILLS

**Languages and DataBases:** Kotlin, Java, Dart, Python, C, HTML, CSS, JavaScript, MySQL, NoSQL, SQL.
**Frameworks & Tools:** Android Studio, Flutter, Firebase, MongoDB, Figma, AWS, Git, GitHub, GitLab, Postman.
**Other Skills:** Leadership, Data Structure & algorithm, Operating System, Linux, Object Oriented Programming,
UI & UX Design.

## EXPERIENCE

**Android Developer | Intern | Clearspot.ai**                                                          online | Feb 2024 – Apr 2024
- Engineered a native Android app with a single activity and multiple fragments, improving user engagement through a streamlined interface and writing **over 5,000 lines** of maintainable **Kotlin and XML code**.
- Implemented Firebase Authentication for secure access, ensuring data integrity and security for **over 1,000 users**.
- Integrated **REST APIs** to handle real-time data for **50+ drone operations**, significantly improving app functionality and performance.
- Collaborated with a **team of 12+ developers** to deliver a comprehensive drone management app, successfully adopted by **200+ clients**.

**Android Developer | Intern | ARS Technologies**                                                      Hybrid | Feb 2023 – Apr 2023
- Designed and implemented **MVVM architectural** patterns within the **CRM application**, resulting in a **30% increase** in development efficiency and enabling the seamless addition of new features without compromising existing functionality.
- Integrated **AWS Server** for managing secure data for **500+ client** interactions daily, ensuring robust data management and improving real-time data sync efficiency by **25% with REST APIs**.
- Partnered with **5+ developers** to build a scalable CRM app, which was adopted by **10+ businesses**.
- Worked in **Kotlin and XML languages** utilizing **MVVM architecture** to enhance app maintainability and efficiency, contributing to the overall success of the **CRM application**.

## PROJECTS

**Link Up**                                                                                            Aug 2023 – Currently Work
- Built a chat and social media application with Kotlin and XML, enabling real-time communication for **10+ active users** and facilitating connections with new people.
- Crafted the **UI/UX using Figma**, creating an intuitive and visually appealing interface that enhanced user **engagement by 40%**.
- Implemented **Firebase** for user authentication and secure media storage for over **20 users**, with two-step verification boosting account security and eliminating unauthorized **access attempts by 100%**.
- Developed feature-rich components for chat, social media, and **audio/video calling**, resulting in a scalable platform used by **10+ users daily**.

**3D Portfolio**                                                                                             Aug 2023 – Oct 2023
- Created an interactive portfolio website using **HTML, CSS, and JavaScript**, attracting over **250+ unique visitors** within the first month.
- Employed **React JS and Three.js** to craft smooth user experiences, **increasing engagement time by 50%**.
- Created the **UI/UX** with a focus on enhancing ease of navigation, resulting in a **30% improvement in user feedback**.
- Incorporated 3D animations to showcase portfolio content, leading to a **40% increase** in portfolio views.

**Flutter-Voice-Assistant**                                                                                  Jan 2023 - May 2023
- Developed a voice assistant application using **Flutter and Dart**, incorporating Natural Language Processing (NLP) to achieve a **90%** accuracy rate in answering user queries.
- Engineered a user-centric interface Designed, resulting in a **100% clear and intuitive experience** that boosted **user interaction by 35%**.
- Focused on performance optimization and delivering a polished user experience, leading to a **25% increase in user** satisfaction ratings.
- Applied **cross-platform development and responsive design principles**, making the app accessible across various devices and increasing its usage by **40%**.

## POSITIONS OF RESPONSIBILITY

**App Team Member | GDSC | NSEC**                                                                            Sep 2023 - May 2024
Collaborated with peers to develop innovative solutions and applications as part of the Google Developer Student Clubs.

**Team Head of Minor/Major Projects | NSEC**                                                                 Sep 2023 - May 2024
Led mobile app development initiatives, improving app functionality and boosting user engagement through enhanced features and intuitive design.