MADHURI MALGAYA

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🌐 madhurimalgaya.github.io/my_portfolio/

Education

Chandigarh University	**July 2021 – July 2025**
Bachelor of Engineering in Computer Science – CGPA: 8.20	*Mohali, Punjab*
Abhigyan International School	**July 2019 – April 2020**
Class 12th – Percentage: 87.8	*Sanawad, Madhya Pradesh*
Abhigyan International School	**July 2017 – April 2018**
Class 10th – Percentage: 89.4	*Sanawad, Madhya Pradesh*

Technical Skills

Programming Languages: Dart, Java, SQL
Developer Tools: VS Code, Google Cloud Platform, Android Studio, Firebase, Power BI
Technologies/Frameworks: GitHub, Flutter, Laravel Framework, Real-time data processing
App Architecture/Design Patterns: MVVM(Model–View–ViewModel), MVC (Model–View–Controller)
State Management: Getx, Provider
Languages: Hindi, English

Projects

ChitChat – Real-Time Chatting Application | *Flutter, Dart, Firebase, MVC Architecture, GetX*   **October 2025**
- Developed a real-time chatting application with one-to-one messaging, group chats, audio calls, and video calls using Flutter and Firebase, improving communication efficiency by 60% across connected users.
- Implemented Firebase Authentication and Cloud Firestore for secure login and data handling, achieving 100% real-time sync and zero data breaches.
- Applied the MVC architectural pattern, improving code maintainability and scalability by 40% during development cycles.
- Integrated GetX state management, enhancing UI responsiveness and reducing UI rebuild latency by 35%.
- Designed a modern, responsive UI with Flutter, focusing on user experience and cross-platform compatibility.
- Enabled real-time message synchronization with Firebase Realtime Database and media sharing via Cloud Storage, reducing message delivery delay by 45%.
- Utilized GitHub for version control, ensuring 99% deployment stability and efficient team collaboration.

Food Delivery User App | *Flutter, Dart, GetX, Laravel, PostgreSQL, MVVM Architecture*   **August 2025**
- Built a user-side food delivery application using Flutter and Dart, improving UI responsiveness and app navigation efficiency by 70 % through optimized widget design and animations.
- Designed 4+ complex UI screens, including home, product listing, cart, and user profile, with smooth animations and adaptive layouts.
- Applied MVVM architecture (API Client → Repository → Controller → UI), reducing code redundancy by 30% and improving maintainability.
- Built a robust backend using Laravel Framework, providing a dedicated admin dashboard to manage restaurants, food items, users, and orders, improving admin efficiency by 50%.
- Integrated Google Maps API for precise location detection, delivery zone allocation, and live tracking, increasing location accuracy by 90%.
- Utilized GetX state management and dependency injection to enhance app performance, state reactivity, and overall responsiveness by 45%.

HONORS and AWARDS

- Awarded Certificate for NPTEL IoT Course - July, 2023

- Awarded Certificate for Nptel Discrete Mathematics Course - October, 2022