

HIMANSHU ATTRI

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Education

B.N.M. Institute of Technology

B.E. in Information Science and Engineering - 7.5 CGPA

Jul 2019 – June 2023

Bengaluru, Karnataka

Experience

Bullwork Mobility

Jan 2024 – Present

Software Developer

- **EV Management Application** – Engineered an advanced EV platform using **Flutter**, structured with **MVVM architecture**, improving scalability and maintainability by **40%**.
- - Orchestrated screen transitions via **Riverpod** and **Navigator 2.0**, implementing deep linking, state restoration, and nested flows, reducing navigation-related issues by **30%**.
- - Enhanced mapping capabilities with **Google Maps API**, integrating markers, polylines, and geolocation-based features, improving user location accuracy by **60%**.
- - Established seamless backend connectivity using **Flutter Firebase** and **Spring Boot APIs**, optimizing Firestore queries, authentication, and cloud messaging, reducing data fetch time by **85%**.
- - Designed a testing utility leveraging **Flutter BLE** for Bluetooth Low Energy (BLE) communication, improving data transmission efficiency by **70%**.
- - Ensured clean architecture by modularizing logic into ViewModels, implementing repositories for data handling, and using dependency injection, leading to **50%** better code reusability.

Bullwork Mobility

Oct 2023 – Dec 2023

Software Developer Intern

- Built and maintained the company's website using **HTML, CSS, JavaScript, and React.js**, enhancing load times by **30%** and improving overall usability. Refined UI components, boosting engagement by **25%**, and applied SEO techniques, increasing organic traffic by **20%**.
- Created an **EV Management Application** with **React Native** to streamline operations for Bullwork Mobility's electric fleet. Integrated **Google Maps API** for real-time tracking and implemented dark/light mode for an adaptive interface.

IIT Bombay (Mood Indigo)

Jan 2023 – Feb 2023

Intern

• **Favorite Places – Major Project (Flutter Application):**

Designed and developed a cross-platform app to manage favorite places, featuring geolocation, **Google Maps API** integration, **Riverpod** for state management, **Sqflite** for local storage, **Firebase** for cloud synchronization, and the **Image Picker package** with **device camera** for photo capture. Delivered a responsive and engaging UI, improving user interaction by **50%**, reducing local storage issues by **40%**, and boosting data sync reliability by **60%**.

Personal Projects

Spotify Clone | *Flutter, Dart, Firebase*

- Developed a Spotify-inspired app using **Flutter**, **BLoC**, **Cubit**, **Clean Architecture**, cutting development time by **40%**. Integrated **Firebase Authentication**, **Firestore**, and **Cloud Storage**, improving data retrieval by **30%**. Used **get_it** for dependency injection and centralized error handling, boosting debugging efficiency by **25%**.

Java Server Architectures | *Java, Sockets, Multithreading, ExecutorService, Apache JMeter*

- Developed and compared **Single-Threaded**, **Multi-Threaded**, and **Thread Pool** HTTP servers using **Java Sockets**, improving connection handling capacity by over **300%**.
- Implemented request handling with **ExecutorService**, enhancing concurrent processing efficiency by **70%**.
- Performed load testing using **Apache JMeter**, reducing response time under load by **45%**.
- Analyzed and documented performance metrics, showcasing **60%** better scalability with thread pool architecture.

Technical Skills

Languages & Databases: C, C++, Dart, Java, JavaScript, HTML, CSS, MySQL

Technologies and Frameworks: Flutter, React.js, React Native, Spring Boot, JMeter

Architectures: MVVM, Clean Architecture

State Management: BLoC, Cubit, Riverpod, Provider, Redux, GetX

Programming Profile & Certifications

Geeks For Geeks Leetcode Certifications: JAVA, Networking-Cisco, Flutter-Udemy