

# Hemraj Soyol

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## Summary

- Acquired hands-on experience through a **3-month Web Development internship** and **Android App Development training**.
- Build modular apps using **Flutter**, **Dart**, and **Java** integrated with **RESTful APIs**.
- Experience with **Git**, **GitHub**, and **Jira** Software for version control, issue tracking, and agile development.

## Experience

**Web Development Intern** | Placify Technologies | *Certificate*

Sep 2024 – Nov 2024

- Worked with development teams to build and deliver client-facing features, **improving user engagement by 15%**.
- Developed **8+** user-friendly and interactive web pages using **React.js**, ensuring optimal performance.

## Projects

**Utavine - Music Streaming App** | *Source Code*

**Flutter** | **Dart** | **Supabase** | **Firestore Auth**

- Built a real-time, heart-rate-responsive music app using **Flutter** and **Wear OS**, adapting playback to user stress levels.
- Tracked user BPM via **SensorManager**, batching writes to **Supabase** every 60s to reduce frequency by **89%**.
- Integrated **Gemini AI** to generate mood keywords from BPM and used **Spotify API** to return **10+** relevant songs per session with **1-3s latency**.

**DotRush - 2D Adventure Game** | *Source Code*

**Java** | **Java Swing** | **PostgreSQL**

- Developed an adventure game in **Java Swing**, implementing real-time rendering and multithreading.
- Implemented unique game ID logic and secure authentication with **BCrypt**; generated **5,000+** user IDs with zero collisions and improved registration throughput by **40%**.
- Gained practical insight into object-oriented design, thread control, and input handling through building core game systems.

**CodeBucket - AI-Powered Coding Problem Organizer** | *Source Code*

**Flutter** | **Spring Boot** | **Supabase**

- Developed a full-stack app that helps users organize their coding problems from various platforms into user-defined buckets.
- Implemented **Gemini AI** integration to generate structured outputs.
- Connected frontend to backend using **Spring Boot REST APIs**, reducing response latency by **40%**.
- Used **Supabase** for real-time user data and **Google OAuth**, supporting **50+** active test sessions.

## Certifications & Achievements

**Android App Development Training** | Internshala Trainings

Aug 2024 – Oct 2024

*NSDC Certificate* | *Internshala Certificate*

**Kafka and Zookeeper Masterclass** | Scaler | *Certificate*

May 2025

**Unstop - Engineering: June Series** | Rank: #51 | *Certificate*

Jun 2025

**CodeRush Weekly Coding Contest** | Codeunia | Rank: #13 | *Certificate*

Jul 2025

## Technical Skills

- **Programming:** HTML, CSS, Flutter, Dart, Java, Spring Boot, REST APIs
- **Databases:** PostgreSQL, Firebase, Supabase
- **Developer Tools:** Jira, Git, GitHub, JUnit5, IntelliJ, Android Studio, VS Code
- **Testing:** Unit Testing, Manual Testing, API Testing
- **Core Fundamentals:** Data Structures, Algorithms, OOP, Operating System, Computer Networks

## Soft Skills

- Solve problems on **LeetCode** and **CodeForces** to build consistency in problem solving.
- Communicate ideas visually using flow charts and diagrams during collaborative development.
- Sketch ideas to relax and visualize logic before coding.

## Education

**VIT Bhopal University** | Master's in Computer Applications (MCA)

Jul 2024 – Jun 2026 (Expected)

**CGPA/GPA: 8.39**

**University of Rajasthan** | Bachelor's in Computer Applications (BCA)

Aug 2021 – Jun 2024

**CGPA/GPA: 7.26**