# Harsh Vardhan Sahu

Gwalior, Madhya Pradesh

# **Professional Summary**

Software Developer with hands-on experience in \*\*Flutter, Dart, C++, Python, and Firebase\*\*. Strong understanding of \*\*Data Structures Algorithms (DSA)\*\* and application development. Built and deployed multiple projects integrating \*\*real-time features, authentication, and optimized system performance\*\*. Focused on writing efficient code and building scalable, user-friendly applications. Eager to contribute technical skills to software development projects in a collaborative environment.

#### Education

## B.Tech in Information Technology - AI & Robotics

Madhav Institute of Technology and Science, Gwalior (M.P.)

2022 - 2026

**CGPA:** 7.4

#### **Technical Skills**

• Languages: C++, Python, Dart, SQL

• Software Development: Flutter, Firebase, Android Studio, Visual Studio

• Databases: Firebase, SQL

• Version Control: Git, GitHub, Jupyter Notebook

## **Projects**

Diary App

GitHub Repo

Flutter, Firebase, Dart

- Integrated **Firebase Authentication** for seamless logins, reducing failures by **90%**.
- Engineered a responsive UI with intuitive design, leading to a 40% improvement in retention.
- Implemented real-time data sync via Firebase, cutting sync time by 60% and ensuring instant updates.
- Optimized backend API calls for faster entry retrieval, decreasing access latency by 50%.

Cart App GitHub Repo

Flutter, Dart, Google Pay, Firebase

- Integrated Google Pay, cutting checkout time by 40% and increasing success rate by 35%.
- Implemented state management (VelocityX, Provider), improving app performance by 50%.
- Developed custom UI components, push notifications, and geolocation-based recommendations, boosting engagement by 45%.
- Designed a REST API-powered product search, reducing search latency from 2s to 0.5s.

#### Certifications

- Prompt Engineering Certification AWS [View]
- Python Certification Udemy [View]

#### Competitive Programming

• Solved \*\*350+ Data Structures and Algorithms (DSA) problems\*\* on \*\*LeetCode and GeeksforGeeks\*\*.

#### Interests

- Competitive Programming: Regularly participate in LeetCode contests.
- Chess: Enhancing strategic thinking and problem-solving skills.