

Asim Sahoo

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science

CGPA: 8.64

📅 November 2022 – October 2026

Sehore, Madhya Pradesh

DAV Model School, IIT Kharagpur

Higher Secondary

Percentage: 86%

📅 May 2022

Kharagpur, West Bengal

DAV Model School, IIT Kharagpur

Secondary

Percentage: 93%

📅 April 2020

Kharagpur, West Bengal

Technical Skills

Languages: C++, Python, Dart, C

Technologies/Frameworks: Flutter, Node.js, Express.js, MongoDB, Firebase

Developer Tools: VS Code, Android Studio, GitHub, Postman

Projects

OpenFoodFacts – Flutter (Open Source Contribution) | [🔗 Link](#)

Pending Merge

- Assigned to contribute features and bug fixes to OpenFoodFacts, a GSoC-participating open-source organization focused on food product data.
- Collaborated with maintainers via GitHub; contribution is under review and awaiting merge.

Yugly | Flutter, Dart, Firebase Auth, Firebase Realtime DB, Firebase Storage | [🔗 Link](#) | [Demo](#)

April 2025

- Developed a real-time synchronized audio listening app using Flutter, enabling users to create or join rooms to upload and listen to MP3 files together with friends.
- Implemented Google/email auth via Firebase, reducing login drop-off by 40%.
- Achieved real-time playback sync using Firebase Realtime DB (<200ms lag).
- Deployed Firebase Storage for audio hosting with 99.9% availability.

WellSta | Flutter, Dart, MongoDB, Node.js, Express.js | [🔗 Link](#) | [Demo](#)

April 2025

- Developed a wellness-based social app with engagement score, mood analytics, and Focus Mode.
- Built secure REST APIs in Node.js and JWT auth for 100% protected routes.
- Implemented mood-based filtering, post creation/editing, and personalized content feeds.
- Tracked screen time and mood via analytics dashboard, boosting self-awareness usage.

Motion surveillance | Flutter, Dart, TFLite | [🔗 Link](#)

April 2024

- Built a Flutter app using TFLite for real-time object detection (>85% accuracy).
- Recorded footage only on human detection, cutting storage use by 70%.
- Handled model/camera lifecycle for lag-free inference and UI updates.

Weather Now | Flutter, Dart | [🔗 Link](#) | [Demo](#)

February 2024

- Engineered a themable weather application using the OpenWeatherMap API and Geolocator library.
- Integrated OpenWeatherMap API and Geolocator for real-time updates.
- Reduced API call latency by 35% using optimized async workflows.

Coursework and Achievements

- Finalist (Top 5 out of 500+ teams) at Summer CodeFest Hackathon by GSoC Innovators Club for building a wellness-focused social platform.
- Solved 300+ Data Structure and Algorithm Problems across Leetcode and GeeksForGeeks Platform.