Asim Sahoo

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⟲ leetcode.com/asimsahoo | ○ github.com/asim-sahoo

Education

VIT Bhopal University　　　　　　　　　　　　　　　　　📅 Nov. 2022 – Oct. 2026
Bachelor of Technology in Computer Science　　　　　　　　　*Sehore, Madhya Pradesh*
CGPA: 8.66

DAV Model School, IIT Kharagpur　　　　　　　　　　　　　　　📅 2022
Higher Secondary　　　　　　　　　　　　　　　　　　　*Kharagpur, West Bengal*
Percentage: 86%

DAV Model School, IIT Kharagpur　　　　　　　　　　　　　　　📅 2020
Secondary　　　　　　　　　　　　　　　　　　　　　　*Kharagpur, West Bengal*
Percentage: 93%

Technical Skills

Languages: C++, Python, Dart, Java, C
Technologies/Frameworks: Flutter, Node.js, Express.js, MongoDB
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.
- Designed dual-theme UI, increasing retention by 20% through user testing.

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**
- Created a dynamic weather app with geolocation and theming support.
- Integrated OpenWeatherMap API and Geolocator for real-time updates.
- Reduced API call latency by 35% using optimized async workflows.

Coursework and Achievements

- Selected as one of the 9 finalists out of 500+ participants in the Summer CodeFest Hackathon organized by GSoC Innovators Club, showcasing innovative problem-solving and technical skills.
- Solved 300+ Data Structure and Algorithm Problems across Leetcode and GeeksForGeeks Platform.