

Asim Sahoo

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Education

VIT Bhopal University

Bachelor of Technology in Computer Science

CGPA: 8.66

📅 Nov. 2022 – Oct. 2026

Sehore, Madhya Pradesh

DAV Model School, IIT Kharagpur

Higher Secondary

Percentage: 86%

📅 2022

Kharagpur, West Bengal

DAV Model School, IIT Kharagpur

Secondary

Percentage: 93%

📅 2020

Kharagpur, West Bengal

Projects

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 Firebase Authentication for secure login via email/password and Google Sign-In.
- Utilized Firebase Realtime Database to maintain synchronized audio playback across participants, enabling real-time position tracking and playback control.
- Integrated Firebase Storage to allow users to upload and access MP3 files directly from the app, ensuring reliable and scalable media hosting.
- Designed a clean, responsive UI with dark/light theme support and customizable accents, providing an intuitive user experience across devices.

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

April 2025

- Engineered a cross-platform social media application using Flutter and Provider, implementing state management for seamless user interaction and responsive UI with customizable Dark/Light theme modes.
- Developed a secure backend with Node.js, Express.js, and MongoDB, creating RESTful APIs for user authentication, content delivery, and engagement features while ensuring data privacy and security.
- Implemented innovative wellness features including Focus Mode (for mindful breaks), mood-based content filtering, and comprehensive Mood Analytics Dashboard that tracks user engagement, screen time, and wellbeing metrics.
- Built advanced social engagement tools including post creation/editing, commenting, personalized content feeds, and a unique engagement summary system that provides users with meaningful interaction insights rather than traditional like counts.

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

April 2024

- Developed a Flutter application using TensorFlow Lite for real-time object detection, focusing on efficient monitoring and identification of significant movements or objects within the camera's view.
- Implemented functionality to automatically record video only when a person is detected, significantly saving storage space while ensuring critical events are documented.
- Leveraged Flutter's state management for real-time UI updates and ensured optimal performance by managing camera streams and TensorFlow Lite model resources effectively.

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

February 2024

- Developed a mobile application that provides real-time weather updates for users based on their location or searched city. The app features a user-friendly interface with dynamic elements and customizable themes.
- Integrated OpenWeatherMap API to fetch weather data based on location or city name.
- Utilized the Geolocator package to retrieve the user's current location for accurate weather updates.
- Leveraged packages like `http` for making API requests and `geocoding` for location-based services.

Technical Skills

Languages: C++, Python, Dart, Java, C

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

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

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.