

Ayush Ambatkar

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ABOUT ME

I am a pre-final year Electronics and IoT student at IIIT Nagpur, specializing in backend development. I have successfully built robust backend services using Node.js and Python, with expertise in designing efficient RESTful APIs, optimizing database architecture, and creating scalable server solutions. My experience extends to full-stack mobile development, where I focus on creating seamless integration between backend services and modern frontend applications. I am committed to delivering high-performance systems that enhance user experience and meet business objectives.

EDUCATION

Indian Institute of Information Technology

Bachelor of Technology in Electronics and Communication, Specialization in IOT

Nagpur

Nov. 2022 – Present

TECHNICAL SKILLS

Languages: C, C++, Node.js, JavaScript, TypeScript, Python, Dart, Java, MicroPython

Frameworks: Flutter, Express.js, FastAPI, Flask

Developer Tools: Docker, AWS, Git/GitHub, Android Studio, Jupyter, Postman, Google Colab

Databases: PostgreSQL, MySQL, SQLite, MongoDB, Cloud Firestore

EXPERIENCE

Flutter Developer Intern | *Nomad Devs* | September 2024 - November 2024 | [LoR](#) | [Certificate](#)

- Collaborated with a team to build **PlaceM8**, implementing user-friendly UI/UX designs and leveraging MVVM architecture to enhance app stability and scalability.
- Collaborated within an Agile environment to deploy features on time, incorporating weekly standups, code reviews, and iterative development.

Flutter Developer Intern | *Ploofypaws* | June 2024 - August 2024 | [Certificate](#)

- Built the complete UI for the app and developed key features like video calls, live IoT tracking, and real-time chatting, enhancing overall user experience and engagement.
- Integrated Firebase for reliable backend operations and performed manual testing to improve app performance and responsiveness.

Android Developer Intern | *Visvesvaraya National Institute of Technology Nagpur* | February 2024 - June 2024 | [LoR](#)

- Developed a mobile app for live health monitoring by integrating Max30105 sensor assembly data via USB serial communication, enabling real-time visualization with live chart plotting.
- Optimized data accuracy and app responsiveness through meticulous debugging and hardware/software integration, while establishing efficient data pipelines using CSV and SQLite for seamless health data management.

PROJECTS

YouHow Chat | *Dart, Flutter, Firebase, Agora* | [GitHub](#)

Frontend: Flutter, Dart

Backend: Firebase, Node.js, Agora SDK(Voice Call), Cloud Firestore

Key Features: Real-time voice and video calling using Agora SDK. Comprehensive messaging and communication features. User feedback sessions to iteratively improve app functionality and user satisfaction.

SERENE - Mental Health Companion | *Dart, Flutter, Firebase, Firestore, Google Gemini* | [GitHub](#)

Frontend: Flutter, Dart

Backend: Firebase, Cloud Firestore

Key Features: Secure authentication and data storage with Firebase and Firestore. Personalized support via a chatbot using Google's Gemini AI. Usability testing to refine user interface and improve user experience. Journaling and quiz features to support mental health assessment and self-reflection.