

Avinav Prasad

avinav2611@gmail.com | [LinkedIn](#) | Portfolio | GitHub | +91-8102753002

Skills

Languages: C++/C, Dart, Java, Kotlin, JavaScript, HTML/CSS.

Frameworks & Technologies: Flutter, Firebase, GetX, Provider, Flutter-Web, Hive, ReactJs, NodeJs, ExpressJS, NextJS, Mongoose, TailwindCSS, MaterialUI, MySQL, Figma, Git/GitHub, Linux.

Publications

Co-author in a published research paper titled: **“Impact of Hindustani ragas in stress management”** and Published a Book titled: **“Stress Management Through Music”**

Birla Institute of Technology, Mesra

Apr 2023 – Apr 2024

Finished research under Prof. Soubhik Chakraborty, on the topic: Hindustani Raga Analysis Using Statistical Musicology with Therapeutic Applications for Stress Management. Designed and programmed “Musiheal” a music app where relevant Raga music will be recommended, based on the symptoms chosen. A profile management feature is generated which provides custom frequency raga level for users having musical background. The application, developed using Flutter, is currently in the prototype stage and is awaiting a patent, backed by Institute. The recommendation model is based on Perceived stress scale (PSS) and the observations obtained from paired t-test.

Work Experience

Flutter Application Developer | TECUDIA, New Delhi (Remote work)

Aug 2023 – Sep 2023

- Developed with team, a responsive food ordering and Room/Banquet booking application - ‘Bhojan Order’ for a client.
- Constructed 40% of front-end of the whole app, for both the customer and owner side interfaces using Flutter and Dart. State management of the entire app was handled using GetX state manager framework.
- Implemented external API and database integration with the UI, along with push notification and many more useful features.

Mobile Application Developer Intern | F SQUARE MEDIA, New Delhi (Remote work)

May 2023 – Jun 2023

- Developed with team and launched: ‘The Thrift Store’ a fully functional e-commerce platform, for both Android and iOS users, tested the app using automated testing tools with testing team.
- Launched a feature enabling customers to follow merchants and receive updates, increasing merchant engagement by 40% and customer retention by 25% within the first quarter.
- Innovated on-spot custom category creation and enhanced cart component, boosting user experience and reducing cart abandonment rate by 30%, leading to a 20% increase in average order value.

Co-founder and Lead Mobile App Developer | APPARELWALA, Remote

Mar 2023 – Oct 2023

- Converting the idea of a smooth and hassle-free B2B transaction platform to a real-world project, by fabricating UI/UX for mobile and web interfaces, with the designing team and app is built for both online and offline functionalities.
- Created and integrated RESTful APIs with backend development team and managed the database using Firebase console.
- Pitched the idea in Xartup Fellowship and scored an all over India rank of 17 which raised a significant fund for further advancements.

Education

Birla Institute of Technology, Mesra

2020 - 2025

Integrated Master of Science in Mathematics and Computing (Current GPA: **8.01**)

Jawahar Vidya Mandir, Shyamali (AISSCE)

2018 - 2019

12th percentage (PCM): 82.40% 10th CGPA: 10.0 / 10.0

Projects

Flutter Chat

- This is a real time chat application developed using **socket.io**, which allows chatting between two endpoints.
- Backend is built with Node.js, state management is handled using the **provider library** and API requests are done using **Dio** package. The messages sent and received are stored in local storage.

Hisaaber

- This product/app solves the hassle of shopkeepers calculating the total bill amount of the customers.
- Using the power of **Google ML Kit API**, the app scans item-price list made by the shopkeeper and calculates the gross price of all the time items in the list and stores for later use. This app is going to be launched on Play Store.

DevOps Roadmap 2022 (for beginners)

- This app provides a very easy-to-follow and systematic roadmap (guided by Mr. Saiyam Pathak) for beginners starting their journey in DevOps.
- The app is built using Java as coding the frontend-logic, and UI is built using XML.

ChitChat

- Developed a responsive chatting web application which includes robust authentication, real-time chat updates, group chat functionality, and user/group profile management.
- Coded features like server-side rendering and dynamic API routes, improving initial page load speed by 60%, and worked on ISR using dynamicParams.
- Employed TailwindCSS for efficient, responsive styling, ensuring compatibility across 20+ device types and screen sizes.

Pinterest Clone

- Constructed a comprehensive full-stack Pinterest clone which allows to create and share image collections with authentication and profile update features.
- Attained a 40% reduction in potential bugs and increased productivity by 1.5x.