

Avinav Prasad

ANDROID APP DEVELOPER

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Skillset

Languages

Dart • C/C++ • Java • Kotlin • Python

Frameworks/Technologies

Flutter • Firebase • Figma • GetX • Flutter Web • Riverpod • Rive
Android Studio • Git/GitHub • Linux

Work Experience

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

B.I.T. Mesra, Ranchi

*B.I.T. MESRA, Remote
April, 2023 – April 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 implemented 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*.

Flutter Application Developer

TECUDIA

*New Delhi, Remote
August 2023 – Sept 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.
- Implemented external API and database integration with the UI, along with push notification and many more useful features.
- State management of the entire app was handled using GetX state manager framework.

Flutter Application Developer

F SQUARE MEDIA

*New Delhi, Remote
May, 2023 – June 2023*

- Developed with team and launched: ‘The Thrift Store’ a fully functional e-commerce platform, for both Android and iOS users.
- Introduced and implemented a feature for customers to follow the merchant and get future updates from them.
- Innovated on-spot custom category function and completed cart component.
- Tested the app using automated testing tools with testing team.

Co-founder and Lead Mobile Application Developer

APPARELWALA

*Remote
March, 2023 – October 2023*

- Converting the idea of a smooth and hassle-free B2B transaction platform to a real world project.
- Fabricated 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

Integrated **M.Sc.** in Mathematics and Computing

2020 – Present

Jawahar Vidya Mandir, Shyamali

AISSCE (ALL INDIA SENIOR SECONDARY CERTIFICATE EXAMINATION)

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

2018 – 2019

Projects

Flutter Chat

- This is a real time chat application developed using socket.io, which allows chatting between two users (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.

Face Fun

- A simple camera application which facilitates to try different filters on selfie-mode and users can also upload pictures from gallery to try the filters.
- This is just a fun app built using **camera-deep-ar** package, giving the opportunity to learn about the Augmented Reality integration in a mobile app.

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.
- This app is soon 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.