

Piyush Kumar

Integrated MSc in Mathematics and Computing
Birla Institute of Technology, Mesra, Ranchi, Jharkhand

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GitHub Profile

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EDUCATION

- Birla Institute of Technology, Mesra, Ranchi, Jharkhand** 2020-2025
Integrated MSc in Mathematics and Computing GPA: 8.44
- Heritage International School, Daltonganj, Jharkhand - Higher Secondary** 2020
Central Board of Secondary Education(C.B.S.E) Percentage: 90.2

PROJECTS

- Weather Application** Link
Skills Used- Flutter, Dart, API integration, State Management
 - This app provides real time updated information on the current temperature, humidity, wind speed, precipitation, and other weather conditions in your current location, which can be helpful for tracking storms or other rapidly changing weather conditions.
 - This weather app allows you to personalize the information that you see. You can also choose to see the weather in Celsius or Fahrenheit.
 - The user interface is easy to use and understand.
- Music App** Link
Skills Used- Route management, Animation Controller, Widget extraction, Platform dependent injection
 - This feature allows users to store their favorite songs and create playlists based on their mood, activity, or genre.
 - Users will be able to listen the songs offline, as local data fetching is used. This is useful for people who travel frequently or who want to listen to music without using up their data plan.
 - Timer duration function is used by extending the StatefulWidget class, and the player is managed by Media controller.
- Notes App** Link
Skills Used- Google authentication, Firebase, Fire Store, Custom font implementation
 - User can keep their notes safe with password protection and end-to-end encryption and can access your notes from any device - your phone, tablet, or computer.
 - Personalization enabled with fonts, colors, and formatting options.
 - Safeguarded notes with automatic cloud backup so the data is protected and accessible from anywhere. User can also share the notes with friends, family, or colleagues. Export notes in various formats, including PDF and Word.
- Pomodoro App** Link
Skills Used- Provider State Management, TimerService package, Custom font implementation
 - User can set functioning time initially for 25 minutes (or many other interval) and break time that can be set for 5 minutes (or many other interval).
 - User can set different timers for different tasks and track their progress, such as by counting the number of Pomodoros you have completed and ability to set goals for yourself to block distractions.
 - The whole app wrapped in Provider state management package, which facilitates very efficient routing and argument transfer, by rapid UI render.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: CPP, Dart

Framework and Libraries: Flutter, GetX, Provider, pub.dev

Cloud/Databases: Firebase, SQL

Areas of Interest: Android App Development, Problem Solving

Soft Skills: Communication, Analytical Thinking, Team Management

CERTIFICATES

- Smart India Hackathon 2023 | Certificate** September 2022
 - Participated in **Smart India Hackathon 2023**, as a team and promoted for national level competition by institute.

POSITIONS OF RESPONSIBILITY

- General Secretary** The Literary Society, BIT Mesra June 2022 - July 2023
 - * Lead a team of 70+ members and provided guidance in organizing events and national-level fests.
- NSS Executive Member** (NSS village education program, Blood donation camp). June 2020 - July 2022