

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: 8.5
- Heritage International School, Daltonganj, Jharkhand - Higher Secondary** 2020
Central Board of Secondary Education(C.B.S.E) Percentage: 90.2

PROJECTS

- E - Commerce App(User Side)** Link
Skills Used- Flutter, Dart, API integration, State Management
 - Developed a robust E-Commerce app using the MVVM (Model-View-ViewModel) pattern.
 - Integrated RESTful APIs using Dio for efficient data handling.
 - Managed state efficiently with GetX, ensuring seamless user experience.
 - Implemented real-time chat functionality using Firestore, enhancing customer support.
 - Ensured secure authentication with Firebase Auth for user data protection.
 - Enabled payment processing using Stripe, providing a secure checkout process.
- Car Washing Service App** Link
Skills Used- Google authentication, Firebase, Fire Store, GetX, Problem-Solving and Debugging
 - Secured authentication with Firebase, enhancing user data security.
 - Integrated Calendly via web view for streamlined scheduling and appointments.
 - Managed state efficiently using GetX for smooth app performance.
 - Designed a beautiful and user-friendly interface with VelocityX, improving user engagement.
 - Developed using Flutter for cross-platform compatibility (Android and iOS).
 - Implemented the MVVM pattern for scalable and maintainable code.
- Music App** Link
Skills Used- Route management, Animation Controller, Widget extraction, Platform dependent injection
 - Enabled users to store favorite songs and create personalized playlists.
 - Provided offline music listening with local data fetching.
 - Utilized timer duration function with StatefulWidget for advanced playback control.
 - Managed the media player with Media Controller for a smooth listening experience.

TECHNICAL SKILLS AND INTERESTS

Programming Languages: CPP, Dart

Framework and Libraries: Flutter, GetX, 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

- Hindi Content Editor Head** The Literary Society, BIT Mesra June 2022 - July 2023
- NSS Executive Member** (NSS village education program, Blood donation camp). June 2020 - July 2022