

# Piyush Kumar

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

+91-6299646654

GitHub Profile

pyushkumar166@gmail.com

## 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
  - **Team leader**, Led my team to the national level competition, representing our institute in developing innovative solutions, enhancing collaboration, and ensuring project success.

## 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
- **Member** Hostel Mess Committee, BIT Mesra June 2023 - July 2024