

# 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** *Aug 2020-present*  
*Integrated MSc in Mathematics and Computing* GPA: 8.5
- Heritage International School, Daltonganj, Jharkhand - Higher Secondary** *July 2018-Feb 2020*  
*Central Board of Secondary Education(C.B.S.E)* Percentage: 90.2

## EXPERIENCE

- Floxx Private Ltd. | (May 2024-July 2024)** *Internship Certificate*  
*Application Developer Intern (Remote)*
  - Developed a **cross-platform** Car Washing Service App using Flutter, supporting up to 1,000 bookings.
  - Secured user data with Firebase authentication and implemented **OTP** verification for password recovery.
  - Integrated Calendly via **web view**, enhancing booking efficiency by 30%.
  - Optimized app performance with GetX, resulting in a 25% reduction in crashes and 40% improvement in stability.
  - Designed a user-friendly interface with VelocityX and applied the MVVM pattern to improve code maintainability and efficiency.

## PROJECTS

- E - Commerce App(User Side)** *Link*  
*Skills Used- Flutter,Dart,API integration,State Management*
  - Developed a robust E-Commerce app using the MVVM pattern, enhancing code maintainability.
  - Integrated **RESTful APIs** with Dio, enhancing data retrieval efficiency and improving speed.
  - Managed state with GetX, ensuring a seamless user experience and minimizing app crashes.
  - Introduced **real-time chat** functionality using Firestore, enhancing customer support, response time and boosting user engagement.
  - Ensured secure authentication with Firebase Auth, fully aligning with security standards.

## TECHNICAL SKILLS AND INTERESTS

**Programming Languages:** C++(Intermediate),Dart

**Framework and Libraries:**GetX,pub.dev

**Tools:**Flutter,MySQL

**Cloud/Databases:** Firebase,SQL

**Hobbies:**Hindi poem writing,Reading Novels

**Soft Skills:** Communication,Creative Thinking,Leadership,Teamwork

## ACHIEVEMENTS

- Smart India Hackathon** *certificate*  
*January 2023*
  - Team Leader** in the 2023 competition, led a team to the national level, developing a real-time dashboard for the Ministry of Power to monitor construction resources and manpower. Represented our institute among 70+ teams, driving innovative solutions, enhancing collaboration, and ensuring project success.
- 3rd Position in Hindi Poetry Competition** *certificate*  
*oct 2023 - nov 2023*
  - Secured **3rd** position in the event "Madhurima" during KASHIYATRA'23, the Annual Socio-Cultural Festival of **IIT (BHU)** Varanasi held from January 20th to January 22nd, 2023.

## POSITIONS OF RESPONSIBILITY

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