

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 by 30%.
 - Managed state with GetX, ensuring a seamless user experience and minimizing app crashes.
 - Introduced **real-time chat** functionality using Firestore, improving customer support response time by 40% 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*