

# Aman Singh

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## EDUCATION

- National Institute of Technology** Jamshedpur, India  
• *Masters of Computer Application; GPA: 8.16*  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases*  
August 2023 - May 2026
- Sherwood College of Professional Management** Lucknow, India  
• *Bachelors of Computer Application; Percentage: 74*  
July 2018 - August 2021

## SKILLS SUMMARY

- Languages:** C, C++, Java, JavaScript, Dart, SQL
- Frameworks:** Flutter, NodeJS
- Tools:** GIT, MySQL, Appwrite, Firebase
- Platforms:** Linux, Web, Windows, Macintosh
- Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

## PROJECTS

- College Campus Buy-and-Sell App:** Developed a campus-based buy-and-sell app for users to post ads, explore items, and create wish lists. Integrated **Appwrite** for secure database management, enabling **real-time interactions** and **user authentication**. Enabled **real-time chat functionality** for buyer-seller negotiations. Incorporated account management features including login, logout, account deletion, and profile picture updates.  
Tech: **Flutter, Dart, Appwrite, Firebase** (January '25 - February '25)
- E-Commerce App:** Created a comprehensive **e-commerce mobile application** with **15,000+ lines of code** across 200 files, utilizing **Flutter, GetX, and Firebase**. Implemented features like **product listings, search, and shopping cart**. Improved **UI responsiveness** by 30% through widget optimization and streamlined state management.  
Tech: **Flutter, Dart, Firebase, GetX, Firestore** (October '24 - November '24)

## EXPERIENCE

- Tech Head - Society of Computer Application and Engineering**  
• *NIT Jamshedpur* September 2024 - Present
  - Coding Contests Organization:** Led the design and execution of multiple coding contests, engaging over **200 participants** with challenging problems.
  - Workshop Coordination:** Organized hands-on workshops on topics such as data structures, algorithms, and web development, enhancing skills for over **150 attendees**.
  - Hackathon Management:** Managed the end-to-end process of a **12-hour hackathon**, from event planning to post-event support, fostering innovation among students.
- Private Tutor**  
• *Instructor (Part-time)* November 2021 - March 2023
  - Private Tutoring for Students:** Provided personalized tutoring sessions in subjects such as **mathematics, science, and computer programming** to students of various academic levels.
  - Online and In-Person Sessions:** Conducted **50+ online and in-person tutoring sessions** per month, tailoring lesson plans to align with individual student learning styles, resulting in a **40% improvement** in overall student engagement and satisfaction ratings.
  - Impact:** Helped students achieve measurable improvements in their academic performance, with an average **increase of 15-20%** in grades through customized lesson plans and consistent feedback.

## ACHIEVEMENTS

- AIR 462** out of **25,000** participants in the National Level Entrance Exam for MCA.
- Ranked **1<sup>st</sup>** in a coding competition hosted by NIT Jamshedpur's Society of Computer Applications, among **112 participants**.

## VOLUNTEER EXPERIENCE

- Community Lead at PCON** NIT Jamshedpur  
• *Conducted online and offline technical & soft-skills training impacting over 250 students.* September '24
- Event Organizer at National Service Scheme (NSS)** NIT Jamshedpur  
• *Organized events, workshops reaching over 150 candidates* March '23