

Aman Singh

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EDUCATION

- National Institute of Technology** Jamshedpur, India
 - Masters of Computer Application*
 - Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases*
- Sherwood College of Professional Management** Lucknow, India
 - Bachelors of Computer Application*

SKILLS SUMMARY

- Languages:** Java, JavaScript, TypeScript, Dart
- Frontend Technologies:** HTML, CSS, Tailwind CSS, React.js, Next.js
- Backend Technologies:** Node.js, Express.js, MongoDB, RESTful APIs, Appwrite, Git
- Mobile Development:** Flutter,GetX, BLoC
- Coursework:** Object-Oriented Programming, Database Management Systems, Computer Networks, Operating Systems, Data Structures and Algorithms
- Soft Skills:** Leadership, Event Management, Public Speaking, Time Management

PROJECTS

- PlaySphere – Video Sharing Platform Backend** ([GitHub](#)) *Node.js, Express.js, MongoDB, JWT, Cloudinary*
- Built a **scalable and modular backend system** for a modern **video-sharing platform**, supporting **user authentication, channel management, and RESTful APIs**.
 - Implemented **JWT-based authentication** with **access/refresh tokens** and **HTTP-only cookies**, ensuring **secure and persistent sessions**.
 - Developed **advanced content and engagement features** including **video uploads, likes, comments, subscriptions, and a creator analytics dashboard**.
- Team Sync - Team Collaboration Platform** ([GitHub](#)) ([Live Demo](#)) *React 18, Node.js, TypeScript, MongoDB, JWT*
- Developed a full-stack **collaboration platform** with multi-workspace support, advanced task/project management, and **role-based access control**.
 - Implemented secure **JWT authentication, email verification, and task assignment rules**, enhancing user experience and team coordination.
- Studora – College Community Marketplace App** ([GitHub](#)) *Flutter, Appwrite, GetX, Dart*
- Built a cross-platform **college community app** for students to **buy, sell, and negotiate** items within campus using real-time messaging.
 - Integrated **Appwrite backend** for authentication and data storage, **GetX** for state management, and added a dedicated **Lost & Found** section to foster peer assistance.

POSITION OF RESPONSIBILITY

- Tech Head - Society of Computer Applications and Engineering**
NIT Jamshedpur *September 2024 - Present*
 - Led the design and execution of multiple coding contests, engaging over **200 participants** with challenging problems.
 - Organized hands-on workshops on topics such as data structures, algorithms, and web development, enhancing skills for over **150 attendees**.

ACHIEVEMENTS

- AIR **462** out of **15,000+** participants in the National Level Entrance Exam for MCA.
- Ranked **1st** 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*