

MAYANK SAHU

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| Portfolio- mayanksahu.vercel.app | https://github.com/Sahumayank2006 | Jhansi(U.P.)

PROFESSIONAL SUMMARY

B.Tech Information Technology student (**CGPA: 9.77/10**) with a strong foundation in Data Structures, Algorithms, and OOP, paired with hands-on full-stack and AI/ML engineering experience. Designed, built, and shipped **five production platforms** spanning SaaS, automation, and civic-tech, with the scaling to **5,000+ users**. Continuously strengthening problem-solving skills through competitive programming and algorithmic practice on LeetCode.

EDUCATION

- Amity University, Gwalior** Madhya Pradesh, India
Bachelor of Technology in Information Technology; CGPA: 9.77/10 2024 – 2028
 - Relevant Coursework:* Data Structures & Algorithms, OOP, Operating Systems, DBMS, System Design
- ICSE/ISC Board – Class XII** India
Physics, Chemistry, Mathematics, Computer Science (Java); 91.5% 2023

TECHNICAL SKILLS

- Languages:** C, C++, Python, Java, JavaScript, TypeScript, SQL
- Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS
- Backend:** Node.js, Express.js, REST APIs, Authentication & Authorization, WebSockets, Database Optimization, Cloud Deployment
- AI/ML:** TensorFlow, PyTorch, Scikit-learn, OpenCV, NLP, Deep Learning, Computer Vision
- Databases:** MySQL, PostgreSQL, MongoDB, Firebase
- Tools & Cloud:** Git, GitHub, CI/CD, Vercel, Render, Netlify
- Core CS Concepts:** DSA, OOP, Operating Systems, DBMS, System Design, Complexity Analysis, Optimization Techniques
- Competitive Programming:** Actively solving Data Structures & Algorithms problems on LeetCode, HackerRank, CodeChef

LEADERSHIP & EXPERIENCE

- Research & Tech Intern – Machine Intelligence Research Labs (MIR Labs)** India
Research & Technology Intern Jul 2026 – Present
 - Redesigned and modernized two official organizational websites, currently live in production, delivering a responsive, high-performance, user-centric experience using modern web technologies.
- Google Student Ambassador** Google
Campus Leadership May 2026 – Present
 - Organized AI workshops and hands-on technical sessions on Google Gemini, reaching **500+ students** and promoting Google developer technologies.
- Technical Coordinator – Amity Coding Club** Amity University
Technical Leadership Jun 2025 – Present
 - Conduct DSA workshops, coding sessions, and technical mentoring programs for **300+ students**.
- President – Eco Club (Student Council)** Amity University
Leadership Role Nov 2025 – Present
 - Lead sustainability initiatives and environmental awareness campaigns engaging **500+ students**.

PROJECTS

GITHUB.COM/SAHUMAYANK2006

- SwachhBharat – AI-Driven Civic Cleanliness Platform** | swachhbharat.vercel.app
React.js, Firebase, AI/ML, REST APIs, Gamification
 - Led development as Project Lead of a **Community Building and AI-driven platform** that gamifies civic cleanliness engagement.
 - Deployed a pilot project at Amity University Gwalior reaching **5,000+ students and staff**.
 - Inaugurated by **Mr. Narendra Singh Tomar**, former Union Agriculture Minister & Speaker, MP Legislative Assembly.
- Nexify – Scalable SaaS Business Platform** | indianexify.vercel.app
Next.js, TypeScript, Firebase, Firestore, Firebase Authentication, REST APIs, Tailwind CSS, Vercel
 - Engineered a multi-tenant **SaaS platform** offering ready-to-deploy **6+ business modules** (EduCore, RetailCore) across diverse domains.
 - Designed a scalable multi-tenant SaaS architecture supporting modular services, secure authentication, and cloud-native deployment.
- AaharSetu – Smart Crop Management & Redistribution Platform** | eaaharsetu.vercel.app
React.js, Firebase, Maps API, ML
 - Built an **AI-driven warehouse platform with IoT-based sensors** for real-time monitoring of storage conditions.
 - Implemented route optimization and role-based dashboards for Farmers, Warehouse Managers, Dealers, and Admins.
- Campus Memory – College Event & Student Services Platform** | nexifyindia.vercel.app
React.js, Node.js, Express.js, MongoDB, JWT Authentication, REST APIs, WebSockets
 - Developed a full-stack platform serving **500+ students** for event management, RSVPs, and engagement.
 - Optimized backend APIs and database queries to improve response latency and support **500+ active users**.
- OD Automator – Attendance Automation System** | odautomationacc.vercel.app
Python, React.js, Firebase, Authentication, Firestore, REST APIs
 - Automated OD-request processing, replacing manual attendance workflows and handling **200+ monthly requests**.
 - Built an admin dashboard with validation logic that reduced fraudulent requests by **85%**.

ACHIEVEMENTS & RECOGNITION

- Selected for **IEEE YESIST 2026 Global Finale, Jakarta, Indonesia** (Oct 02 to 03, 2026), after clearing the Prelims round.
- Selected to present at India Innovates 2026, **Bharat Mandapam, New Delhi**, Organized by MCD Delhi.
- 1st Prize** - INTERNATIONAL CONFERENCE 2026, SMART INDIA HACKATHON 2025(INTERNAL).
- Winner, **10+ national-level hackathons & innovation challenges(full list: Achievements)**.
- Academic Excellence: CGPA 9.77/10.(1st Rank Holder in ASET - Engineering Department.)

CERTIFICATIONS & PROFESSIONAL ENGAGEMENTS

- One-Week Training Certification, National Board for Higher Mathematics**
- Worked closely with **many faculty** on academic research and innovation projects, executed software solutions for **5+ freelance clients**, and gained hands-on experience delivering scalable real-world applications from concept to deployment.