Ayush Jha

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SUMMARY

Final-year Computer Science and Engineering student with a strong focus on frontend development and UI/UX design. Organizer of the Google Developer Groups On-Campus chapter at IEM and a national-level tech competition finalist. Passionate about crafting intuitive, user-centric interfaces and building impactful digital experiences through modern web technologies.

PROJECTS

Quadcopter Drone   *View Certificate*

Designed and deployed a UAV using Raspberry Pi and ML for disaster surveillance as part of **AeroThon 2024 organized by SAE INDIA**, applying CAD/CAE tools such as SOLIDWORKS and ANSYS. The drone featured real-time image processing and hotspot detection, integrated with GPS and wireless communication for live tracking.

BookLoop   *Github*   *Demo*

Built a full-stack book-sharing platform using React.js, Node.js, Express, and MongoDB. The application featured secure authentication with JWT, category-based filters, and RESTful APIs to enable smooth, real-time interactions and streamlined book exchanges.

AI Interview Coach   *Github*   *Demo*

Developed an AI-powered platform for candidate evaluation through automated question generation and resume-based coaching. Integrated real-time analytics, voice interaction, and feedback using FastAPI and Gemini/OpenAI APIs to enhance candidate experience and recruiter insights.

EDUCATION

B.Tech, Computer Science and Engineering   *2022–Present*
Institute of Engineering and Management, Kolkata
GPA: **9.07 / 10.0**

Class 12th – CBSE (PCM)   *2021*
St. John's Academy   **87%**

Class 10th – CBSE   *2019*
St. John's Academy   **95%**

POSITIONS OF RESPONSIBILITY

- Organizer –Google Developer Groups On-Campus IEM
- Vice Captain – AeroThon 2024 Team
- Club Head – AlgoZenith Coding Club
- Facilitator – Google Cloud Arcade Program 2025
- Membership Chair – SAE-IEM Collegiate Club
- Spokesperson – SAE-IEM Collegiate Club

SKILLS

Languages: C/C++,HTML, CSS, JavaScript, TypeScript
Frontend Libraries/Frameworks: React.js, Next.js, Tailwind CSS
Build Tools: Vite, Webpack, npm, yarn
Version Control & Deployment: Git, GitHub, Vercel, Netlify
Core CS Subjects: DSA, Operating Systems, DBMS, Computer Networks, OOPs, Software Engineering.
Other: Responsive design, REST APIs, UI / UX principles, component-based architecture