

Aditya Bhattacharya

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Profile Summary

Innovative Computer Science student specializing in AI platforms, immersive XR experiences, and full-stack development. From winning national hackathons to developing real-world solutions for the National Disaster Response Force and leading startups, I am driven by the intersection of creativity and technology.

Education

Maharaja Agrasen Institute of Technology, GGSIPU Nov 2023 – Jun 2027
B.Tech CSE (Data Science) — CGPA: 8.9 (till Sem)

RSBV West Vinod Nagar 2020 – 2022
12th (CBSE) — 91%

Achievements

- Winner — Smart India Hackathon 2023 (among 1,280 finalist teams; received Special Recognition from the Ministry of Home Affairs for work with the NDRF)
- Winner — SIH Bootcamp by AICTE
- Runner-up — Hack4Purpose, IIT Delhi (among 130 teams)
- 3rd Position — Scale+91 Hackathon, Fintech Festival India 2024 (among 500 teams)
- Winner — HACKBMU 7.0 (among 90 teams)

Skills

Languages: C++, Java, Python, Dart, JavaScript, TypeScript
Frontend: Flutter, HTML/CSS, React.js, React Native, Tailwind CSS
Backend: Node.js, Express.js, FastAPI, Flask
Database: MySQL, MongoDB, Supabase
AI/ML Tools: OpenAI API, LangChain, Hugging Face Transformers, Gradio Client (IP-Adapter-FaceID), Gemini API
Other Tools: Unity, Blender, WebGL, Git/GitHub, Figma, graphic design, REST APIs
Soft Skills: Public Relations, Problem Analysis, Communication, Leadership, Teamwork, Resilience

Projects

PATHSHALA — Gamified Learning Metaverse Platform

[GitHub](#) | [Video](#)

- Developed a Unity-based metaverse platform with a MERN dashboard for immersive, gamified learning.
- Engineered and integrated WebGL and Augmented Reality modules with real-time progress tracking.
- Added an AI-powered study assistant to support students with subject-specific queries.

Sang Rakshan — Virtual Reality Disaster Response Training

[GitHub](#) | [Video](#)

- Created a Virtual Reality training module in Unreal Engine with C++ and Blueprints for realistic emergency scenarios.

Herbal-Reet — Virtual Herbal Garden

[GitHub](#) | [Video](#)

- Developed an immersive metaverse for exploring medicinal plants and AYUSH practices.

AI-Powered Travel Planning Platform

[GitHub](#) | [Live Demo](#)

- Architected an AI-driven travel planning app with personalized destination visualizations and smart recommendations.
- Integrated FaceID-based image generation (Hugging Face IP-Adapter-FaceID) and AI enhancements.

Experience

Clone Futura — AI and Full-Stack Development Intern

Feb 2025 – Present

- Constructed AI agents using Flask, Python, OpenAI, and LangChain.
- Worked on Travel AI Agent, Smart Meeting Agent, Automated Facebook Post Agent, and Stall Vendor Agent.

National Disaster Response Force — Extended Reality Developer

Ongoing

- Designed virtual simulation environments for disaster management training with immersive scenarios.

Cantilever — Web Development Intern

Jul 2024 – Aug 2024

- Developed full-stack websites, including e-commerce and news analysis platforms.
- Implemented payment gateways, real-time updates, and advanced search features.

Positions of Responsibility

Vice President and Design Head — EXPRESSIONS, The Art Society

- Managed event promotions, sponsorships, and poster design.

Design and Creative Head — Startup Sphere Society

- Designed visual assets for startups; organized ideathons and pitchathons.