

Ayushi Gupta

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Education

Galgotias University, Greater Noida, UP, India
Bachelor of Technology, Computer Science and Engineering

October 2022 – July 2026
CGPA: 8.25

Lucknow Public College, Sahara States, Lucknow, UP, India
Senior Secondary (XII), CISCE

Passed 2022
Percentage: 90%

Technologies

Programming Languages: Java, HTML, CSS, JavaScript

Libraries & Frameworks: ReactJS, NodeJS, ExpressJS, Tailwind CSS, Bootstrap, Mongoose

Databases: MongoDB, MySQL, Firebase, Supabase

Tools: Git, GitHub, VS Code, Figma, IntelliJ IDEA

Experience

Your Auto Affiliate, Freelancer

March 2025 – April 2025

- Migrated backend from MongoDB to Supabase, improving scalability, maintainability, and reducing query response time by 40%.
- Designed and optimized relational database schemas in Supabase, reducing storage redundancy by 30%.
- Integrated Supabase Authentication, strengthening security and access control by 50%.

Projects

BookNest [GitHub](#)

January 2025

- Built a MERN-based Book Management System with role-based access control, enabling multiple admins to manage inventory and track orders in real-time.
- Enhanced user experience, leading to a 40% increase in user engagement through authentication, book ordering, and order tracking.

VAAYU, Vigilant Air Assessment and Yielding Unit, SIH Project [GitHub](#)

August 2024 – December 2024

- Developed an Autonomous Ecosystem integrating UAVs, Sensors, GCS, WEB, and Mobile Apps for Pollution Detection and Remediation.
- Implemented a Ground Control Station (GCS) using Electron.js (interface) and Python (backend) to plan, control, and analyze the mission and system with 90% accuracy.
- Applied BPNN-CNN predictive modeling for aerial data analysis, achieving 85% precision in pollutant detection.
- Built interactive dashboards using Grafana for mission analytics and an MERN-based web app for product showcase.
- Optimized aerial data storage and processing with InfluxDB & AWS Timestream for real-time insights.

FireTalks [GitHub](#)

September 2024

- Crafted a real-time chat application using React.js and Firebase, enabling instant messaging, live updates, and secure data storage with 99.9% uptime.
- Enhanced user engagement with emoji support and file sharing (up to 5MB), improving interaction by 30% and ensuring seamless communication.

Achievements And Certifications

- Winner of **Smart India Hackathon (SIH) 2024 - Software Edition** under PSID 1616
- Winner at **Uttar Pradesh International Trade Show (UPITS) 2024**, Greater Noida
- **Introduction to Frontend Development** – Coursera