

# Ayushi Gupta

✉ [ayushigupta0415@gmail.com](mailto:ayushigupta0415@gmail.com)

☎ +91 8887886496

🔗 [Portfolio](#)

in [LinkedIn](#)

🐙 [GitHub](#)

Web Developer with expertise in React.js, JavaScript, and MERN stack, specializing in building scalable, user-friendly, and high-performance web applications. Proficient in REST API integration, UI/UX optimization, and debugging, with a passion for delivering seamless digital experiences

## Education

### Galgotias University

Bachelor of Technology, Computer Science and Engineering

CGPA: 8.5

Greater Noida, UP, India

October 2022 – August 2026

### Lucknow Public College, Sahara

Senior Secondary (XII), CISCE

Percentage: 90%

Lucknow, UP, India

October 2022 – August 2026

## Technologies

**Programming Languages:** C, Java, 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

(\*ongoing) February 2025 - Present

- **Migrated the backend from MongoDB to Supabase**, improving scalability and query performance
- **Designed and optimized relational database schemas** in Supabase, replacing unstructured NoSQL collections
- **Integrated Supabase Authentication**, enhancing security and user management

## Projects

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

August – December 2024

- **Developed an Autonomous Ecosystem** integrating UAVs, Sensors, GCS, WEB, and Mobile Apps to Detect and Remediate Pollution
- **Implemented a Ground Control Station (GCS)** using Electron.js (interface) and Python (backend) to plan, control, and analyze the mission and system
- **Implemented predictive modeling** with BPNN-CNN for aerial data analysis, enabling applications across various sectors.
- **Designed interactive dashboards** using Grafana for mission analytics and an MERN-based web app for product showcase.
- **Utilized InfluxDB & AWS Timestream** for efficient storage, real-time processing, and broadcasting of aerial data

BookNest [GitHub](#)

January 2025

- **Designed and developed MERN-based Book Management System** with **role-based access control**, allowing admins to manage inventory and track real-time order statuses
- **Implemented user-centric features** like **user authentication, book ordering, and dynamic order tracking**, enhancing usability and accessibility for readers and administrators

FireTalks [GitHub](#)

September 2024

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