Ayushi Gupta

✉ ayushigupta0415@gmail.com   📞 +91 8887886496   🔗 Portfolio   in LinkedIn   ⌂ GitHub

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

Education

Galgotias University   **Greater Noida, UP, India**
Bachelor of Technology, Computer Science and Engineering   *October 2022 – August 2026*
CGPA: 8.5

Lucknow Public College, Sahara   **Lucknow, UP, India**
Senior Secondary (XII), CISCE   *Passed 2022*
Percentage: 90%

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** backend from **MongoDB to Supabase**, improving scalability 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

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 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

BookNest GitHub   January 2025
- **Built a MERN-based Book Management System** with **role-based access control**, enabling **100+ 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**

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) Hackathon 2024**, Greater Noida
- **Introduction to Frontend Development** – Coursera