ASHUTOSH GAURAV

Contact | Portfolio | E-Mail | LinkedIn | Github

EDUCATION

Indian Institute of Information Technology, Ranchi 2022 – 2026
BTech (Electronics and Communication Engineering) *CGPA: 7.31*
Lucknow Public School 2020 – 2021
Intermediate *Percentage: 87%*

WORK EXPERIENCE

LightningTech ⬀ Jan 2025 – March 2025
Full-Stack Developer Intern *Remote*

- ***React ,Typesript, Redux.js, AG Grid, Node.js, Jira, Git, Github, API Integration***
- Contributed on second version of their ***flagship product***, ***MarketMind***, a scalable and cloud-based ERP solution.
- Developed interactive data grids with AG Grid, enhancing **data visualization** and user insights.
- Created 12 reusable components, **reducing** development time by **40%** and improving maintainability.
- Implemented Redux **state managemen**t with type-safe slices for efficient data flow and **centralized control**.
- Developed **backend APIs** in Node.js/Express.js, optimizing data transactions and improving system efficiency.

PROJECTS

MedicalRx (Revolutionizing prescriptions with AI-driven insights and care) ⬡ | ⬀

- **Tech Stack: *Next.js, Gemini API, Clerk, Redis, React-DnD, MongoDB, React-Leaflet, Web Speech API***
- Developed an AI medical platform enabling **symptom-based diagnosis** with probability and AI prescriptions.
- Implemented **secure authentication** and user access control using Clerk.
- Integrated **OpenStreetMap** via React-Leaflet to **locate nearby pharmacies**, clinics, and hospitals with facilities.
- Built a **voice-enabled AI chatbot** using the Web Speech API for interactive and accessible consultations.
- Created a **Kanban board** (React DnD) to visually **track** patient recovery **stages** and treatment progress.
- Handled **API rate limiting** with **Upstash Redis**, ensuring stability during **high traffic**.

Medsynth (Smarter Drug Research with PubChem Insights) ⬡ | ⬀

- **Tech Stack: *Next.js, TypeScript, PubChem API, MongoDB, Ably***
- Integrated PubChem API to fetch, analyze, and ***visualize chemical data*** for drug discovery.
- Implemented RDKit.js for ***real-time molecule rendering*** in a responsive Next.js and TailwindCSS UI.
- Enabled seamless collaboration through ***real-time messaging*** and group channels using Ably.
- Built a ***secure backend*** with MongoDB, Mongoose, and NextAuth.js for authentication and data management.

Shop-Bizz (E-Commerce) ⬡ | ⬀

- **Tech Stack: *MongoDB, Express.js, React.js, Node.js, Multer, Cloudinary, Stripe***.
- Developed a responsive UI with MongoDB integration, enhancing user experience and accessibility across devices.
- Built a **scalable backend** using Node.js and Express.js for high availability and efficient response.
- Integrated **Stripe** for **online payments** and added COD support to provide users with flexible payment methods.
- Optimized **state management** with **Context API**, reducing memory usage and boosting performance by **42%**.
- Built a dependable system for **handling image uploads** through Cloudinary, seamlessly integrated into **admin panel**.

TECHNICAL SKILLS

- **Languages:** C, C++, HTML5 , CSS, JavaScript, SaSS
- **Frameworks:** Next.js , Node.js, Express.js
- **Libraries:** React.js , Tailwind CSS, Mongoose, Three.js, React-DnD, React-Leaflet
- **Tools:** Jira , Slack , Jupyter, Postman, Git, GitHub
- **Databases:** MongoDB, MySQL
- **Other Tools/Tech:** Cloudinary , Multer, Ably, Gemini API

ACHIEVEMENTS

- **Codechef**: Achieved maximum contest rating of 1417 (**2 Star**).
- **Leetcode**: Attained maximum score of 1529.
- **Codolio**: Solved 200+ problems on various coding plateforms including Leetcode and codechef