Gagan Arora

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Technologies

Languages: C / C++, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks / Libraries: NodeJS, ExpressJS, Bootstrap, ReactJS, NextJS, MySQL, MongoDB, Socket.io, AOS, WowJS

Platform: AWS (EC2, Lightsail, Amplify, S3 Bucket)

Projects

phsteel.in
- Tech: NextJS 15, ReactJS, NodeJS/ExpressJS, MongoDB Atlas, AWS Amplify
- Built form database pipeline with validation, spam protection, and automated stakeholder email alerts.
- Developed admin panel for reviewing/exporting submissions with role-based access.
- Designed a responsive, modern UI with optimized layouts and components, improving user navigation and reducing page load times by 35 percent.

premindustries.in
- Tech: NextJS, NodeJS/ExpressJS, MongoDB Atlas, AWS Amplify
- Engineered a scalable corporate website with modular, reusable components and a responsive UI, ensuring consistency and maintainability across all pages.
- Built and hosted a Node.js/Express API to process form submissions, store leads in MongoDB, and send automated email notifications.

E-commerce Store
- Tech: MERN (React, Node/Express, MongoDB Atlas), JWT, AWS EC2 and Amplify
- Implemented authentication, authorization, and CRUD for products, orders, and users.
- Built React admin panel for inventory/content management and order workflows.
- Deployed backend on EC2 and frontend on Amplify with documented REST APIs.

Fuel Expense Web App
- Tech: React, Node/Express, MongoDB Atlas, AWS Amplify, S3
- Designed camera-only receipt capture flow with metadata for fraud reduction.
- Implemented admin approve/reject workflow, audit trail, and role-based dashboards.

Link Shortener
- Tech: Node/Express, React, MongoDB, JWT, NGINX
- Built token-based authentication and per-user namespaces with analytics.
- Deployed multiple instances behind load balancer with health checks for uptime.
- Created a minimal UI for link management and API documentation.

Experience

Web Developer, Prem Industries India Limited, Ghaziabad   January 2024 – Present
- Developed and maintained full-stack applications using MERN stack and Next.js.
- Deployed and managed projects on AWS services including EC2, Lightsail, S3, and Amplify.
- Built and hosted multiple websites, internal company apps, and REST APIs.
- Optimized application performance, scalability, and security for production environments.

Backend Developer Intern, Bellegirl Lifestyles, Mumbai (Remote)   August 2023 - January 2024
- Customized Shopify storefronts with themes, apps, and automation.

- Scraped and structured web data using AI tools and Python.
- Collaborated with team to prepare reports and improve workflows.

Web Developer Intern, Seiko Media (DIGIXOM SOLUTIONS), Dubai (Remote)   February 2023 – April 2023
- Built responsive user interfaces using HTML, CSS, and JavaScript frameworks.
- Improved website design for better user experience and performance.
- Collaborated with backend team to integrate APIs into frontend.

Education

Inderprastha Engineering College, Bachelor of Technology in IT   November 2020 – June 2024
- CGPA: 7.56
- **Coursework:** Computer Architecture, Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Machine Learning, Computational Theory

Ramagya School, 12th Class   March 2019 – March 2020
- Percentage: 77.8

Ramagya School, 10th Class   March 2017 – March 2018
- Percentage: 77

Honors

FRONT-END DESIGN TOURNAMENT (Link)
- Achieved 1st place in the Webkriti front-end design competition for creating an aesthetically pleasing and fully responsive website within a limited timeframe.
- Designed and delivered a visually appealing, responsive website, adhering to project deadlines and user experience best practices.