AAYUSH KUMAR SINGH

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SUMMARY

Motivated Full-Stack Developer with hands-on experience building scalable and interactive web applications using React.js, Angular, Node.js, Express.js, and MongoDB. Skilled in component-based architecture, REST API development, and responsive UI/UX implementation. Committed to writing clean, maintainable code and delivering high-performance user experiences through collaborative, agile workflows. Passionate about problem-solving, DSA, and learning modern web technologies.

SKILLS

Frontend: React.js, Angular, Next.js, Tailwind CSS, Chart.js, HTML5, CSS3

Backend: Node.js, Express.js, REST APIs, JWT Authentication

Database: MongoDB, MySQL

Languages: Java, JavaScript

Tools & Platforms: Git, GitHub, VS Code, Postman, Render, Vercel

Core CS: DSA, OOP, DBMS, CN, OS

Work Experience

Web Developer Intern | JNU – Delhi, India (Nov 2024- Present)
- Engineered a responsive web application using React.js and Node.js, improving load times and overall UI performance.
- Collaborated with UI/UX designers to refine component workflows and enhance usability across devices.
- Participated in structured code reviews and implemented modular design principles, reducing code maintenance issues.

Software Developer Intern | EvolveSphere NewBlock AI LLP – Delhi, India (Apr 2025- Present)
- Contributed to full-stack development using React.js, Express.js, and MongoDB, focusing on performance optimization and reusability.
- Designed RESTful APIs with Express and implemented authentication and validation middleware for secure data flow.
- Enhanced backend structure through better error handling and configuration management.

Projects

FootPrism - Carbon Footprint Tracker & Eco-Community Platform | Live
- **Stack:** MERN, Tailwind CSS, Chart.js
- Built a full-stack carbon-tracking application featuring interactive dashboards for activity-based emission visualization, integrating Chart.js for dynamic trend analysis and implementing secure JWT-based authentication.

Developed a responsive React frontend styled with Tailwind CSS, paired with a MongoDB backend to securely manage user activity data and authentication workflows.

Admin Dashboard System | **[GitHub](#)**
- **Stack:** Angular 19
- Developed an Angular 19 Admin Dashboard featuring CRUD operations, authentication guards, real-time analytics, and custom theming with dark mode. Implemented responsive layouts, toast notifications, and advanced filtering, sorting & pagination.

The Interactive Constellation Weaver (Constella) | **[GitHub](#)**
- **Stack**: MERN, Canvas API, Tailwind CSS
- Developed an interactive constellation-drawing platform using real-time rendering with the Canvas API, supported by REST APIs and secure MongoDB integration for persistent data storage. Optimized React components to ensure faster rendering, smoother interactions, and consistent performance across all screen sizes.

Code Reviewer AI-Powered Code Analysis Platform | **[Live](#)**
- **Stack:** MERN, PrismJS, Tailwind CSS, Google Gemini API
- Developed a web-based platform for automated code review and syntax analysis, integrating the Google Gemini API to provide intelligent feedback on code quality, performance, and security. Implemented syntax highlighting, markdown rendering, and modular backend routes to enable efficient and scalable code processing.

Star Wars Starship Explorer | **[Live](#)**
- **Stack:** React.js, Tailwind CSS, Axios
- Designed a responsive interface for exploring Star Wars API data with live search and comparison features, including real-time starship name filtering. Implemented infinite scrolling and optimized API calls to deliver a smooth and seamless browsing experience.

Education

B.Tech CSE - JIMS Engineering Management Technical Campus (GGSIPU) **(2022-2026)**

BS in Data Science & Programming – IIT Madras **(2022-2026)**

Certifications & Leadership

- **Hacktivate'23 (36-Hour Hackathon):** Awarded Consolation Prize for developing an AI-powered healthcare web app.
- **Google Cloud Certifications:** Introduction to Generative AI, Digital Transformation with GCP.
- **President- FitFam Society:** Organized a Tug of War event with 20 teams and 120+ participants & led a team to manage event execution, participant engagement, and rule enforcement.