

MADHAV ARORA

Jalandhar, Punjab, India | 9877275894 | madhavarora132005@gmail.com | github.com/MadhavArora1213

PROFESSIONAL SUMMARY

Full Stack Developer with 1.5 years of hands-on experience building and maintaining 50+ production websites using the MERN stack. Proficient in React.js, Node.js, PHP, MySQL, and PostgreSQL, with a strong foundation in frontend design, backend architecture, and scalable application development. Serving as a Google Student Ambassador, President of the ByteVerse Community, Mentor at OSCI, and Project Admin at GSSoC. Track record of delivering high-availability platforms with measurable performance improvements.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science

Jalandhar, India

CT Group of Institutions | Current CGPA: 9.04/10

2022 –

Present

WORK EXPERIENCE

Full Stack Developer, Gen Z Public Relations Management

July 2025 –

January 2026

- Architected and deployed a production-ready news platform using Node.js, Express.js, React, and PostgreSQL, now serving 10,000+ monthly active users with 99.9% uptime on a VPS hosting environment.
- Engineered scalable RESTful APIs and responsive UI components, enabling advanced features including article categorization, tagging, and full-text search, reducing average page load time by 35%.
- Implemented secure JWT-based authentication and role-based content management system, reducing unauthorized access incidents to zero post-launch.
- Automated deployment pipeline using Nginx reverse proxy and PM2, cutting release time by 60% and enabling zero-downtime deployments.

Software Developer (Intern), CT Group of Institutions

November 2024 – July 2025

- Designed, developed, and maintained 50+ production websites including high-traffic platforms such as enroll.ctgroup.in, ctpublicschool.com, vishalsandal.com, ctgloaleducation.com, and ceeteeworld.com.
- Improved website performance scores by an average of 40% through SEO optimization, image compression, caching strategies, and code splitting across all managed properties.
- Ensured 99%+ uptime during 15+ high-traffic live deployment events, including admission season surges handling 5,000+ concurrent users.
- Implemented OWASP-aligned security best practices including input validation, SQL injection prevention, and HTTPS enforcement, resulting in zero critical security incidents over 8 months.
- Collaborated with cross-functional teams of 8+ members across design, content, and management to deliver responsive, accessible web solutions on time and within scope.

PROJECTS

AI-Powered Code Reviewer, github.com/MadhavArora1213/Ai-Code-Reviewer-FrontEnd

- Built an AI code review tool integrating OpenAI API that analyzes code quality, detects bugs, and suggests optimizations, reducing manual code review time by an estimated 50% for test users.
- Developed a clean React.js frontend with syntax highlighting and real-time feedback, supporting 10+ programming languages.

RescueGrid – AI Disaster Coordination Platform, github.com/MadhavArora1213/Diseaster_Management

- Developed a real-time disaster coordination system using React, Node.js, and WebSockets, enabling emergency responders to manage incidents and communicate across departments with sub-200ms latency.
- Integrated mapping APIs and AI-based resource allocation logic to optimize emergency response routing.

News Website (menastories.me), github.com/MadhavArora1213/menastories.me

- Delivered a full-featured news platform serving thousands of users, with features including category filtering, search, and admin panel for content management.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript (ES6+), HTML5, CSS3, React.js, Node.js, Express.js, PHP, Basic Python, Redux, Tailwind CSS, Bootstrap

Databases: MongoDB, MySQL, PostgreSQL, Redis

Cloud & DevOps: AWS S3, VPS Hosting, Nginx, Firebase, Git, GitHub, Postman, VS Code

Design Tools: Figma, Canva

APIs & Protocols: REST APIs, WebSockets, JWT Authentication

LEADERSHIP & COMMUNITY

- **Google Student Ambassador** – Represented Google technologies and organized 3+ developer events on campus reaching 200+ students.
- **President, ByteVerse Community** – Founded and led a 100+ member developer community hosting hackathons, workshops, and open-source sprints.
- **Mentor & Contributor, OSCI** – Mentored 20+ open-source contributors through project selection, code reviews, and pull request guidance.
- **Project Admin & Contributor, GSSoC (Girl Script Summer of Code)** – Managed open-source project with 15+ contributors; reviewed 50+ pull requests.