AYUSH MANN

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Portfolio Website: ayush.codes

Full Stack MERN Developer with a strong foundation in computer science and hands-on experience in building responsive, scalable web applications. Proven track record in delivering impactful projects in high-pressure hackathon environments, with proficiency in cloud services, API integrations, and real-time backend development.

Skills

Languages: JavaScript, TypeScript, HTML5, CSS3, Python
Frontend: React.js, Next.js, Redux, Tailwind CSS, Bootstrap, Three.js
Backend: Node.js, Express.js, MongoDB, REST APIs, JWT, OAuth
DevOps & Tools: Git, GitHub, Vercel, Netlify, Postman, NPM, Docker, Microservices, CI/CD
Cloud & Platforms: Google Cloud Platform, onRender, AWS/GCP,
Database: MongoDB, PostgreSQL, MySQL, Redis, Firebase

Education

Vellore Institute of Technology, Bhopal, India   2023 Sept - 2027 Sept
- Bachelor of Technology (B.Tech.) – 8.70 CGPA

Vishwa Bharati Public School, Noida, India   2021 - 2023
- CBSE Board - Class XII**: 88.8% (PCM)

Vishwa Bharati Public School, Noida, India   2019 - 2021
- CBSE Board - Class X: 87.4%

Experience

Outlier AI, Remote Nov 2024, Noida, India
Present AI Contractor
- Refined AI-generated outputs to improve relevance and accuracy by 30%.
- Enhanced user satisfaction through consistent feedback and iterative optimization.

Projects

MentaAi – AI-Powered Healthcare Assistant Health Hack 2025   2025 March
- Built full-stack app with React, Node.js, Express, MongoDB, JWT & OAuth.
- Integrated secure authentication, external APIs, RESTAPISs and optimized data flow.
- Collaborated with a 6-member agile team to deliver within deadline.

Halo Havoc – Massively Multiplayer IO Game   2025 March
- Engineered the real-time backend for a multiplayer IO game using **Node.js, Express, and WebSockets (Socket.IO)** to support up to 100 concurrent players.
- Implemented server-side game logic for player state synchronization, collision detection, and dynamic leaderboard updates.
- Optimized data packet structure and event emission frequency to minimize latency and ensure a responsive, real-time gameplay experience.

SmartBlock – Unified Privacy Browser Extension   2025 APRIL
- Designed and developed a Chrome and Firefox extension using JavaScript and Manifest V3, combining ad blocking, tracker detection, and privacy-focused URL shortening.
- Leveraged browser-native APIs (`declarativeNetRequest`, `PerformanceObserver`, `Web Crypto`) for real-time content filtering and fingerprint protection.
- Achieved 98.2% ad block rate and 94.7% tracker detection with only 1.8% false positives in performance benchmarking.
- Links: Mozilla Add-on Store, GitHub Repo

Leadership & Awards

HACKTOBERFEST CONTRIBUTOR   **2024 OCT**
- Contributed to open-source repos for 30 days; reviewed PRs within 24 hours.
- Strengthened skills in Git workflows, issue resolution, and team-based coding.

Google Cloud Platform Study Jams   2023 Jun - 2024 Sept
- 200+ hours of Vertex AI, API integrations, Shell scripting, and scalability enhancements.