Ayush Chhanchar

✉ chhancharayush007@gmail.com   📞 9926779115   in Ayush Chhanchar   ⌂ ayushchhanchar

Education

Oriental College of Technology, Bhopal   *Oct 2021 – May 2025*
Bachelor of Technology (B.Tech), Computer Science and Engineering
CGPA: 7.4 / 10

Jawaharlal Nehru School (S.W.), Bhopal   *Apr 2019 – Mar 2021*
CBSE – Higher Secondary (12th) - 85%
CBSE – Secondary (10th) - 81%

Professional Experience

Frontend Developer Intern (React)   *Sept 2024 – Nov 2024*
Abstinent Research and Technologies, Bhopal

- Redesigned and optimized 10+ reusable React components, reducing feature development time by 25% and improving code maintainability.
- Designed workflow diagrams using React Flow for the "Vibe" project, reducing user confusion and support queries by 15%.
- Contributed to mobile UI with React Native, implementing 12+ screens and improving engagement by 20% through responsive design.

Projects

Employee Management System — Web-based HR platform for internal workforce operations
React.js, Recoil, Tailwind CSS, Node.js, Express.js, MongoDB

- Engineered a full-stack dashboard with employee CRUD, leave tracking, and time logging, used by 50+ internal users.
- Integrated secure REST APIs with JWT and MongoDB via Mongoose, ensuring role-based access control for sensitive data.
- Deployed a responsive UI using Tailwind CSS and managed state with Recoil, reducing UI load time by 30% and complexity by 40%.

Custom Visual Studio Code with Wingman AI — Developer IDE with integrated AI assistant
VS Code OSS, Node.js, TypeScript, Gulp, GitHub Actions

- Forked and customized VS Code's open-source codebase to embed Wingman AI as a built-in extension, reducing setup time to zero.
- Automated multi-platform build workflow using GitHub Actions and Gulp, producing distributable Windows installers in under 2 minutes.
- Configured hidden extension loading, updated internal tasks, and streamlined user onboarding for a plug-and-play AI experience.

Secure Chat Application — Real-time messaging system with user auth and data persistence
Node.js, Express.js, MongoDB, JavaScript, Tailwind CSS, Passport.js, Socket.io

- Developed a session-based chat platform with live messaging, supporting 1:1 chats and login authentication.
- Implemented real-time data flow using Socket.io and ensured persistent chat history using MongoDB with secure API design.
- Designed a responsive UI with Tailwind CSS and reduced initial load latency by 20% through UI optimization and lazy loading.

Skills

Programming Languages: JavaScript, TypeScript, Java
Frontend: React.js, Tailwind CSS, Bootstrap, HTML5, CSS3, React Native
Backend and Database: Node.js, Express.js, MongoDB, REST APIs
Tools and Platforms: Git, GitHub, GitHub Actions, Postman, VS Code, Vercel, Render, Vite, Gulp

Achievements

Solved 50+ problems on LeetCode — focused on Data Structures and Algo.