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SUMMARY

Computer Science undergrad (CGPA **9.40**) who loves turning ideas into real-world solutions. I build projects with modern tech, contribute to open-source, and participate in hackathons. I document my journey on X, share my learnings on YouTube and write on Medium. Passionate about teamwork, building cool stuff, and making an impact through code.

EXPERIENCE

tcf wd4   *January 2025 - February 2025*

Developed a responsive web application using **ReactJS** , transforming UI/UX design mockups into functional components with **95% accuracy**.

Collaborated with senior developers through code reviews, adopting best practices in **clean code**, **state management**, and **reusable** components.

Contributed to **agile workflows** (standups, sprints) and mobile responsiveness.

PROJECTS

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Developed a full-stack AI-assisted development platform enabling users to analyze and interact with their GitHub repos in real time.

End-to-End Project Workflow: Built a project onboarding system that integrates GitHub repos (public/private via tokens), handles metadata extraction, and manages usage via a **credit-based system**.

Dynamic Project Dashboard: Implemented real-time dashboard integration using custom React hooks, **TanStack Query**, and commit log visualization via **GitHub Octokit API**.

RAG-based AI Integration: Leveraged **LangChain, GitHubRepoLoader** and custom embeddings logic to parse, summarize, and embed repository content into a PostgreSQL vector store for retrieval-augmented generation (RAG).

Real-Time AI Chat System: Engineered an **AI-powered Q&A interface** that performs vector similarity search, constructs context-rich prompts, and streams live responses back into the UI.

Technologies Used: Next.js, TypeScript, TRPC, React, Clerk, PostgreSQL, LangChain, AssemblyAI, Bun, GitHub API, Octokit, Vercel

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Built a full-stack real-time chat application that allows seamless communication and real-time user interaction.

Dynamic User Authentication: Enforced secure sign-in and sign-up functionality with JWT, enhancing user security.

Interactive Messaging System: Built real-time messaging with support for text and image sharing via **WebSockets.**

Active User Tracking: Fabricated **live sidebar** displaying all users and dynamically updating active user statuses.

Personalized User Profiles: Designed an intuitive settings allowing users to **customize** avatars and themes

Technologies Used: WebSockets (Socket.IO), React, Zustand, Node.js, Express, MongoDB, JWT

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Designed and developed a cross-platform auto-fill solution for university to automate data entry across dynamic web forms.

End-to-End System Development: Architected a full-stack solution combining a **user-facing web platform** and a **Chrome Extension** to deliver seamless form automation.

Browser Extension Engineering: Leveraged **Chrome Extension APIs** to detect form structures and dynamically inject user data on click, improving user experience and reducing manual effort.

Data Persistence & API Design: Incorporated a **relational database** schema with Prisma ORM and built **RESTful APIs** to manage user data securely.

Technologies Used: Next.js, React, TypeScript, Prisma, PostgreSQL, Clerk, Chrome Extension API, Vercel

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Selected among **2** teams nationwide to advance to the semifinal round of the Smart India Hackathon , a national competition that encourages innovation in solving real-world problems using technology.

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Contributed significantly to open-source projects during GSSOC'24, collaborating with global teams and enhancing project functionality.

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Languages: Python, Java, Golang, C++, JavaScript, TypeScript, SQL, HTML/CSS
Cloud & DevOps Tools: Git, GitHub, VSCode, Vercel, Render
Frameworks: ReactJS, NodeJS, Django, NextJs, Redux
Databases: MongoDB, PostgreSQL, Redis