

Daksh Prajapati – Self-Assessment

Part A – Individual Contribution

For our capstone project, *CleverCollab*, I focused heavily on the technical direction and AI functionality of the tool. In the beginning, I explored building the project as a Forge app because it would integrate directly with Atlassian products like Jira. But after running into limitations and realizing how expensive Forge could get, I recommended we switch gears and build our own standalone solution. We ended up using Next.js and the Vercel AI SDK, which gave us the flexibility to choose any LLM we wanted and create a more customizable experience. From there, I worked with Arya and Jalin on building out tools that could fetch data from Atlassian's APIs—like pulling project, task, and user workload info in real-time—and used that data to drive the AI agent's logic.

I learned a ton from this project. I got to apply and expand my skills in full-stack development, prompt engineering, and system design, while also navigating real-world challenges like API limitations, authentication setups, and the occasional hallucination from the LLM. One big challenge was making sure the AI's responses were reliable and that the task allocation logic didn't unintentionally favor certain users. I also had to think critically about how to balance smart automation with transparency, so users could trust what the AI was doing. I definitely grew more confident in making high-level technical decisions and exploring AI tools in a way that felt meaningful and impactful. Seeing our system successfully assign tasks based on workload and skills—and getting solid feedback from users—was super rewarding.

Part B – Team Contribution

As a team, I think we did an awesome job bringing *CleverCollab* to life. We managed to build a working web app that actually helps project managers automate the boring parts of their job, like task allocation and workload tracking, using AI. One of the things I really appreciated about our team was how well we communicated and adapted. When something wasn't working—like our original backend setup—we didn't hesitate to pivot. We often broke into smaller pairs or groups to tackle specific problems, which helped us move faster and not get stuck waiting on each other.

Working with friends can be tricky sometimes, especially when it comes to holding each other accountable, but I think we did a solid job overall. Everyone brought something valuable to the table. Arya crushed the frontend design and handled Jira integration early on, Jalin worked on the logic for matching tasks to people, and Varad focused on automation features. I leaned more into the AI and architectural side, constantly testing new tools, improving the prompt logic, and figuring out how we could make the system smarter without overcomplicating it. If I had to call out one person, I'd say Arya deserves

some credit for giving the app a clean and intuitive design that made everything we built actually enjoyable to use.