

Self-Assessment – Varad Parte

Part A – Individual Contribution

Throughout our CleverCollab project, my key individual contribution was in developing system intelligence and automation functionality. At the outset, I participated in designing and building the logic of the AI agent for the automatic creation and allocation of tasks. I created the automation module where users could give a short task description, and the system would fill in the task with necessary details like assignee, estimated hours, and priorities based on team skills and availability. I also helped create the context-awareness functionality of our chatbot so that it could discern between general queries and task-specific allocation requests.

Further along in the project, I worked on streamlining the data pipeline so that real-time changes from Jira were correctly updated in the Kanban board. I helped debug issues where updates to task statuses due to drag-and-drop interactions needed to synchronize accurately with Jira's database. Perhaps the toughest challenge that I faced was dealing with synchronization issues between the frontend Kanban board and the backend API of Jira without creating performance delays. I learned a lot about API management, handling state efficiently in frontend applications, and automating repetitive tasks in project management with the help of AI. Overall, I developed my skills in full-stack development, prompt engineering for AI tasks, and workflow automation, while learning to debug unexpected integration issues more independently.

Part B – Team Contribution

As a team, we also collaborated very well on the project. We consistently had ongoing meetings in which we reported progress, assigned tasks, and helped each other troubleshoot technical problems. One of the excellent strengths of our team was the adaptability and flexibility of each member. Whenever we came up against an unexpected challenge—be it technical limitations or system integration problems—we worked together to come up with practical solutions without getting stuck.

Our teamwork was also remarkable because of how we divided tasks based on individual strengths. Arya did a lot of frontend design and user experience, Daksh went deep into AI architecture and task logic, Jalin did skill matching algorithms, and I did mostly automation features and backend synchronization. Although we worked individually, we regularly synced up so that our modules integrate well with each other. I believe our clear communication and shared sense of ownership made CleverCollab a successful project. Seeing all our components—AI, Kanban board, chatbot, and automation—working smoothly together was a great achievement that reflected the effort each team member put in.