**Project Design Phase-II**

**Technology Stack (Architecture & Stack)**

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID30267 |
| Project Name | HealthAI: Intelligent Healthcare Assistant using IBM Granite |
| Maximum Marks | 4 Marks |

**Technical Architecture:**

The Deliverable shall include the architectural diagram as below and the information as per the table.

A diagram of a health ai

AI-generated content may be incorrect.

**Table: Application Characteristics:**

| **S.No** | **Characteristics** | **Description** | **Technology** |
| --- | --- | --- | --- |
|  | Frontend | Developed the frontend using React.js with role-based UI components. | React.js |
|  | Backend | Built backend APIs in Python to handle data requests, connected with Google Colab and IBM services. | T4 GPU in google collab |
|  | AI Model | Integrated IBM Granite for generating AI responses to health queries. | IBM Granite for NLP and diagnostics |
|  | Chat Bot | Set up IBM Watson Assistant for NLP-based chatbot interactions | IBM Watson , |
|  | Hosting Infrastructure | Defined the project scope and created wireframes for the user interface. | IBM Cloud, Hugging Face |