**Project Design Phase**

**Solution Architecture**

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| Date | 15 February 2025 |
| Team ID | SWTID1741155652 |
| Project Name | Rhythmic Tunes: your melodic companion |
| Maximum Marks | 4 Marks |
| **Team members**  Team leader: Thabithal S  Team member 1: Sharmila S  Team member 2: Porselvi K  Team member 3: Jothi Priya M  Team member 4: Geethanjali R | [unm1657thabithal212205398@gmail.com](mailto:unm1657thabithal212205398@gmail.com)  [unm1657sharmila212205393@gmail.com](mailto:unm1657sharmila212205393@gmail.com)  [unm1657porselvi212205388@gmail.com](mailto:unm1657porselvi212205388@gmail.com)  [unm1657jothipriya212205381@gmail.com](mailto:unm1657jothipriya212205381@gmail.com)  [unm1657geethanjali212205376@gmail.com](mailto:unm1657geethanjali212205376@gmail.com) |

**Solution Architecture:**

The solution architecture for **HarmonyStream**, the Rhythmic Tunes Application, ensures a **scalable, high-performance, and immersive platform** for discovering, streaming, and organizing music across genres, artists, and personalized playlists. The architecture prioritizes seamless audio delivery, real-time recommendations, and cross-device synchronization to enhance user engagement.

* Find the best tech solution to solve existing business problems.
* Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
* Define features, development phases, and solution requirements.
* Provide specifications according to which the solution is defined, managed, and delivered.

**Example - Solution Architecture Diagram:**

