

Meta Human AI

Problem Statement: Creating digital 3D avatars that are realistic and linked with real-time people requires advanced tools and techniques to ensure accuracy and lifelike appearance.

Solution Overview: Build an AI-powered bot that generates digital 3D avatars of real-time people. This bot will use advanced AI tools to create realistic avatars that can mimic the appearance and movements of real people.

Key Features:

1. **Digital Avatar Creation:**
 - Use AI tools to create high-fidelity 3D avatars that accurately represent real people.
 - Ensure the avatars can replicate facial expressions, movements, and other attributes.
2. **Real-Time Interaction:**
 - Enable the avatars to interact in real-time, responding to user inputs and environment changes.
 - Use AI to process and replicate real-time movements and expressions.
3. **Customization Options:**
 - Allow users to customize the avatars, including changing appearance, clothing, and accessories.
 - Provide options for adjusting various parameters to achieve desired results.
4. **Integration with Existing Platforms:**
 - Ensure compatibility with existing virtual reality (VR) and augmented reality (AR) platforms.
 - Provide guidelines for seamless integration with these platforms.

Technical Requirements:

- **AI Tools Integration:** Use tools like Stable Diffusion, faceswap, Midjourney, and Wonderdynamics for avatar creation.
- **Real-Time Processing:** Implement real-time processing capabilities to ensure avatars can interact dynamically.
- **User Interface:** Create a user-friendly interface for users to create and customize their avatars.

Deliverables:

- **Web Application:** Develop a web-based application that houses the digital avatar creation and customization tools.