

# **Skill Speak AI - Sprint Plan**

## **Sprint 1: Project Setup & Planning**

- Finalize user personas and wireframes
- Set up GitHub repo and folder structure
- Initialize React, Node.js, MongoDB connection
- Implement landing page and basic routing

Deliverables:

- Project skeleton
- Wireframes
- Landing page

## **Sprint 2: User Authentication System**

- Implement registration/login with JWT + bcrypt
- Password reset with email verification
- Role-based access control

Deliverables:

- Auth pages
- MongoDB user schema
- Protected routes

## **Sprint 3: AI Chatbot & Voice Interaction (Basic)**

- Integrate OpenAI/HuggingFace model
- Use Web Speech API for voice input/output
- Build chat interface with basic mock interview flow

Deliverables:

- Voice + Text AI chat
- Chat UI

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- Mock interview demo

## **Sprint 4: Dashboard + Feedback**

- Design dashboard with session history and feedback
- Implement feedback (thumbs up/down, comments)
- Store session logs in MongoDB

Deliverables:

- Dashboard UI
- Functional feedback system

## **Sprint 5: Content & Admin Panel**

- Admin panel with CRUD for resources
- Manage articles, videos, questions
- User-facing resource library with filters

Deliverables:

- Admin panel
- Resource display for users

## **Sprint 6: Real-Time Interaction + Deployment**

- Implement WebSockets for real-time chat
- Deploy frontend, backend, and DB to cloud
- Performance testing and UI polish

Deliverables:

- Live deployed app
- Real-time interaction
- Project documentation