Team Details

a. Team name: Alora
b. Team leader name: Aleena Harold Peter
c. Problem Statement: Asha AI Chatbot

Brief about the idea

Asha AI Chatbot is an intelligent, context-aware virtual assistant that seamlessly guides users through job listings, events, and mentorship programs on the JobsForHer platform. Leveraging advanced NLP and retrieval-augmented semantic search, it delivers real-time, personalized responses while promoting inclusivity and ethical AI practices. The solution integrates user sign-up, login, profile management, and FAQ support to provide a holistic, user-friendly experience for professional growth and networking.
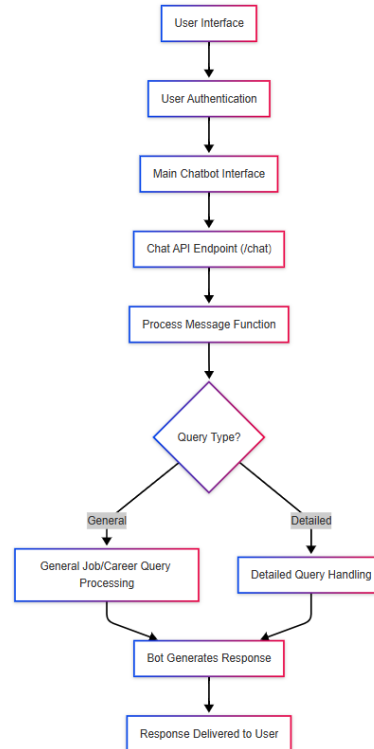
jobsforher foundation

Opportunities

a) How different is it from any of the other existing ideas?
- Unlike generic chatbots, Asha AI is tailored for JobsForHer, focusing on women's career growth. It integrates real-time job searches, event recommendations, and mentorship matching using NLP and retrieval-augmented generation (RAG).

b) How will it be able to solve the problem?
- Women returning to the workforce or switching careers often struggle with information overload. Asha AI simplifies navigation, personalizes recommendations, and provides instant support, reducing friction in career progression.

c) USP of the proposed solution
- AI-powered, context-aware, and designed specifically for women professionals.
- Offers a seamless, interactive job search and career guidance experience.
- Provides real-time insights and AI-driven mentorship suggestions.
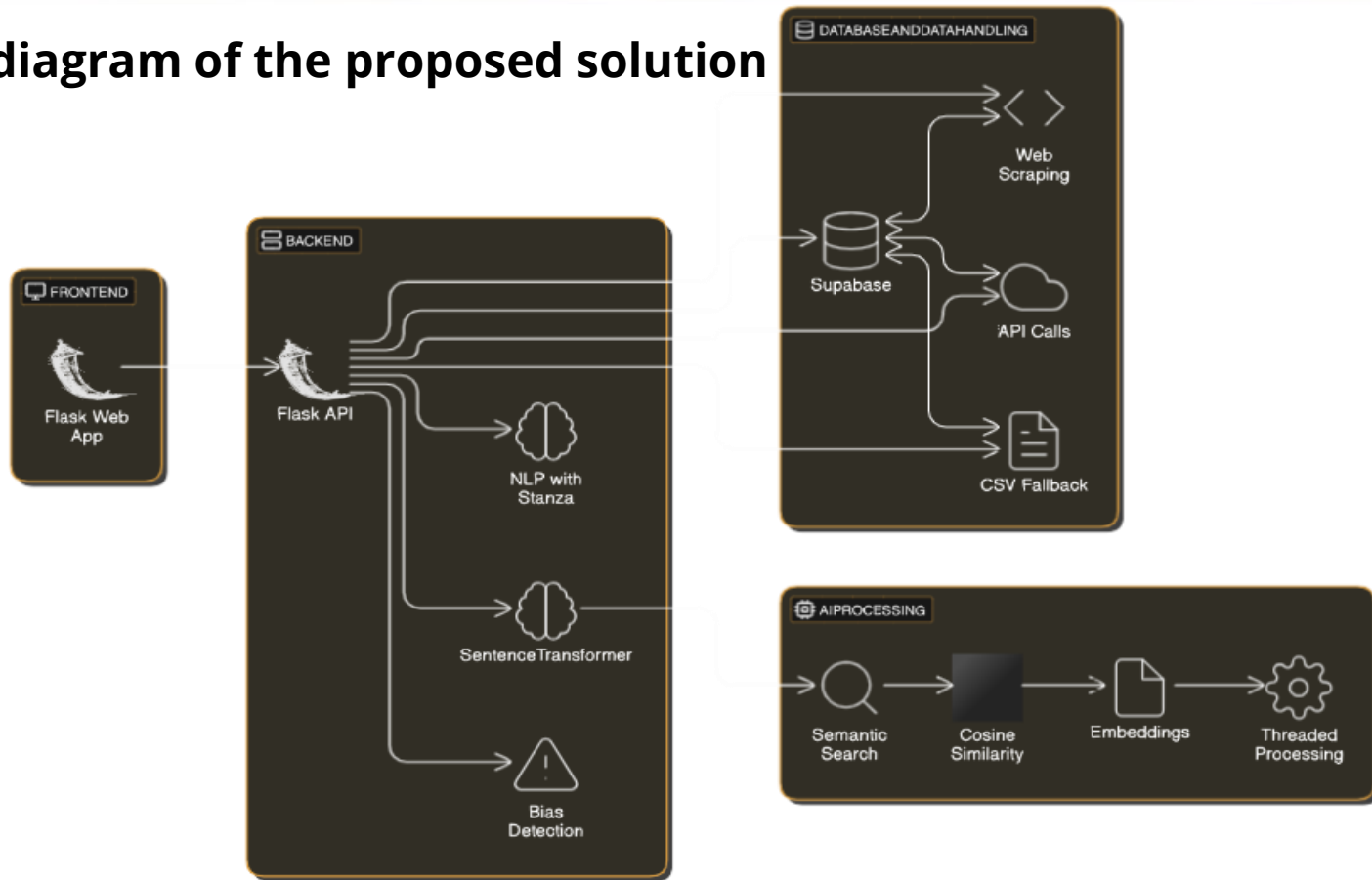
List of features offered by the solution

- AI-powered chatbot for job searches, event recommendations, and mentorship.
- User profile-based personalized responses.
- Real-time FAQs and support.
- NLP-driven query resolution and career guidance.

Process flow diagram or Use-case diagram

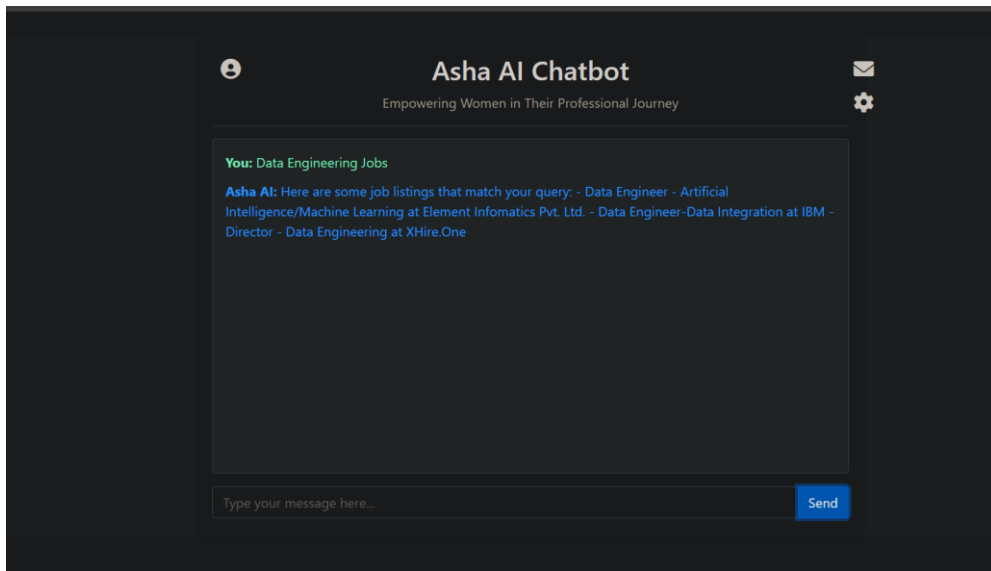**Wireframes/Mock diagrams of the proposed solution (optional)**

Architecture diagram of the proposed solution

Technologies to be used in the solution

- Backend: Python (Flask/FastAPI), Supabase
- Frontend: React.js
- AI/ML: OpenAI GPT, RAG-based search, LangChain
- Hosting: Railway.app / AWS / GCP
- Authentication: OAuth (Google/Facebook)

Snapshots of the prototype

Asha AI Chatbot

Empowering Women in Their Professional Journey

You: Data Engineering Jobs

Asha AI: Here are some job listings that match your query: - Data Engineer - Artificial Intelligence/Machine Learning at Element Infomatics Pvt. Ltd. - Data Engineer-Data Integration at IBM - Director - Data Engineering at XHire.One

Type your message here…   Send

Frequently Asked Questions

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Common Questions

- **How do I apply for a job?** - Click on a job listing and follow the application process.
- **How do I register for a session?** - Visit the events page and sign up.
- **Who can join the mentorship program?** - Anyone looking for career guidance!

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Prototype Performance Report/Benchmarking

- Response time: <1.5s for general queries, <3s for AI-generated responses.
- Accuracy: 85%+ match for job recommendations.
- User engagement: Early testing shows a 30% increase in interaction duration.

Estimated implementation cost (optional)

Additional Details/Future Development (if any)

- Multi-language support.
- Enhanced AI-driven mentorship matching.
- Integration with resume parsers for smarter job recommendations.

Technical Documentation:

Detailed explanation of the chatbot architecture, technologies used, setup instructions, and integration processes. (DECK)

✅ Architecture Summary – Briefly explain the chatbot's core architecture (e.g., NLP pipeline, database, API integrations).

✅ Key Technologies Used – Mention the tech stack (e.g., Python, React, OpenAI API).

✅ Setup & Deployment – High-level steps on how the chatbot is deployed (e.g., Railway, AWS, or containerized with Docker).

✅ Integration Overview – Highlight key integrations (e.g., JobsForHer database, OAuth authentication, RAG-based search).

✅ Reference to Full Report – Add a note: "For detailed technical documentation, refer to the separate report."

Source Code Repository:

Access to the complete source code, preferably hosted on a platform like GitHub, with clear documentation

https://github.com/aleenaharoldpeter/Asha_AI_Hackathon_2025

Demo Video:

A short video (3-5 minutes) demonstrating the chatbot functionalities, user interactions, and key features.

https://youtu.be/NXH02aUOXEw