



## 💡 Take-Home Assignment: AI Intern – Health Insight & Chatbot Prototype

**Role:** AI Intern – Zoom My Life

**Type:** Hands-on Project Assignment (1–2 Weeks)

**Goal:** Evaluate your applied AI skills, creativity, and ability to work with real-world health data

**Inspiration:** Sparkle by Zoom My Life – an AI-powered personal health app for families and physicians

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### 🗣 Message from Zoom My Life

*At Zoom My Life, we're reimagining how families manage their health through technology, AI, and empathy. As an intern, you won't just build models — you'll build impact. This assignment reflects a real product feature we're actively developing. I can't wait to see how you bring AI to life.  
— wish you the best !*

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### 💡 Problem Statement

Design and prototype a lightweight **AI Insight Engine + Chatbot Interface** to support personalized health guidance for individuals using Sparkle.

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## What You'll Build

### 1. Insight Generator (Core ML)

- Build a rule-based or ML-based model to analyze simple health logs (JSON or CSV format)
- Output recommendations like:
  - “Your hydration has dropped for 3 days. Consider increasing water intake.”
  - “Based on mood logs, you may be experiencing signs of fatigue or stress.”

### 2. Health Chatbot (Simple UI or CLI)

- Interface that takes basic questions like:
    - “How am I doing this week?”
    - “What’s my sleep trend?”
  - Returns insights or pulls relevant info from mock health data
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## Provided Input Data (mock or real)

You may use:

- Simulated daily health logs (e.g., sleep, mood, steps, hydration)
  - Optional: Fitbit, Apple Health, or Oura-style exports
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## Tech Stack Guidelines

Component	Options
Language	Python or JS/TypeScript preferred
Libraries	LangChain, OpenAI API, NLTK, Scikit-learn
UI (Optional)	Streamlit, React, or basic command-line interface
Data Handling	Pandas, JSON/CSV

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## Bonus Points

- Use of LangChain or prompt chaining logic
  - GPT-like responses with context memory (mock or real API)
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- Visual insight dashboard using Plotly or Matplotlib
  - Integration plan into a Flutter + Firebase backend
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## Deliverables

- GitHub Repo (or ZIP)
    - Core Insight Logic (Jupyter Notebook or script)
    - README with instructions and explanation of your approach
  - (Optional) Short video or Loom walkthrough (2–4 mins)
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## What We're Evaluating

Area	Focus
AI Thinking	Creativity and structure of your insight logic
Technical Skills	Code quality, use of AI libraries, data handling
Product Thinking	Practical and helpful user insights
Communication	Clear explanation and documentation
Initiative	Going beyond the brief, proposing next steps

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## 1 Timeline

- Start anytime
- Suggested: Submit within 7–10 days
- Share your GitHub repo or file link with the Zoom My Life team



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