Mirai Summer Internship - Capstone Projects

API KEY (OPEN AI): (to be inserted)

Overview

You'll choose one of the two following projects to build and submit:

1. **AI Travel Planner**
2. **Conversational Order Assistant**

Both projects require:

- **Lovable.ai** website (form or optional ElevenLabs voice chatbot)
- **n8n workflows** with AI Agent using an LLM and logging into Google Sheets
- **Webhook** integrations between Lovable.ai and n8n

Note: ElevenLabs voice integration is optional, but highly recommended for enhanced interactivity.

Project 1: AI Travel Planner

Problem Statement

Planning a trip often means browsing dozens of websites, reading endless travel blogs, and piecing together information about destinations, accommodations, attractions, and travel tips. This process is time-consuming and can overwhelm travelers who just want a clear, customized plan. Your task is to create an automated travel assistant that takes basic trip preferences from a user and ***instantly delivers a personalized, day-by-day itinerary*** — eliminating the manual research stage and providing a seamless planning experience.

Description

- Visitors submit trip details via Lovable.ai (form or optional voice input).
- Data is sent via webhook to n8n.
- An AI Agent uses an LLM to:

    - Generate a structured itinerary (destinations, attractions, tips).
    - Log inputs & outputs to Google Sheets.
    - Email the formatted plan to the visitor.

Things you can ask from the user: Destination, Current city, Date, Duration, Budget, Mode of transport, total number of people etc.

Note: ElevenLabs voice input is optional but recommended for higher interactivity.

Key Skills

- Lovable.ai form/chatbot design
- Webhook setup
- AI Agent (LLM + Google Sheets logging) in n8n
- Automated email formatting & delivery

Evaluation Rubric (100 Points)

Criteria	Points
Functionality – Itinerary generation, logging in Sheets, and email delivery	40
AI Agent Usage – LLM + Google Sheets integration working correctly	30
Workflow Quality – Clean, logical n8n workflow with error handling	15
UI/UX – Easy to use, clear interface on Lovable site	10
Video Submission Quality (Mandatory)	5

Project 2: Conversational Order Assistant

Problem Statement

Small businesses often rely on manual order-taking through phone calls, WhatsApp messages, or basic forms. This approach can lead to missing details, incorrect quantities, and slow processing times. In a competitive market, businesses need a faster, more reliable, and user-friendly way for customers to place orders. *Your task is to build an AI-powered order assistant that validates, logs, and confirms orders automatically — reducing human error and improving customer experience.*

Description

- Customers place orders through Lovable.ai (form or optional voice input).
- Data is sent via webhook to n8n.
- An AI Agent uses an LLM to:

  - Validate and format the order.
  - Log order details to Google Sheets.
  - Send an automated order confirmation email to the customer.

Note: ElevenLabs voice ordering is optional but recommended.

Key Skills

- Lovable.ai order form or chatbot
- Webhook integration to n8n
- AI Agent with LLM + Google Sheets logging
- Email automation

Evaluation Rubric (100 Points)

Criteria	Points
Functionality – Order capture, validation, Google Sheets logging, email confirmation	40
AI Agent Usage – Correctly processes and logs orders	30
Workflow Quality – Well-structured and documented n8n setup	15
UI/UX – Customer-friendly ordering experience	10
Video Submission Quality	5

Submission Guidelines

1. Deliverables

You must submit:

1. Live Lovable.ai link (fully functional at evaluation time)
2. n8n workflow share link or exported .json file including the AI Agent (LLM + Google Sheets logging)
3. Google Sheets link with **view-only access** to the log where data is stored
4. Email output proof – screenshot or short video clip showing the automated email
5. **YouTube video (mandatory), duration 5–6 minutes, covering:**

   - Basic introduction (Name, College)
   - Project walkthrough / demo
   - Brief walkthrough of your n8n workflow
   - Challenges faced during development
   - Lessons learned

2. Important Notes

- n8n Free Account Validity: Ensure your account has at least 10 days remaining at the time of submission for evaluation purposes.
- ElevenLabs Integration: Optional, but will improve project quality and user experience.

- AI Agent Requirement:

   - Must process user input via LLM
   - Must log processed data to Google Sheets

- Pre-Evaluation Testing: Confirm that:

    - Lovable.ai site sends data correctly to n8n via webhook
    - n8n workflow runs without errors
    - AI Agent returns accurate output
    - Data is stored in Google Sheets
    - Email is sent and delivered successfully

3. Submission Checklist

- Lovable.ai site link (working)
- n8n workflow link/export file
- Google Sheets link (view-only)
- Screenshot/video proof of email output
- YouTube video link (5–6 mins) with required content
- n8n account with at least 10 days validity remaining
- AI Agent in workflow (LLM + Google Sheets logging) functional