**🟩 Slide 1: Title Slide**

* **Project Name:** NutriFusion – Smart Ingredient Suggestions for Health-Based Cooking
* **Presented by:** [Your Name/Team Name]
* **Date:** [Insert Date]

### 🟩 ****Slide 2: How the Industry Works (Personalized Nutrition)****

* More people are dealing with chronic diseases like **diabetes, heart disease, and anemia**.
* At the same time, people are trying to eat better — but **don’t know how to change their food** to match their health needs.
* The **personalized nutrition industry** is growing fast. Reports show it could reach **$24 billion by 2029** (Statista, 2023).
* Many companies now want to help users eat better using AI and nutrition science.

#### 🔁 Flowchart (to include in your slide):

**User's health info + daily meals → AI-based analysis → personalized ingredient suggestions → healthier meals**

### 🟩 ****Slide 3: The Problem We Are Solving****

#### 🧩 Problem:

* People cook normal recipes that **aren’t tailored to their health conditions**.
* There’s **no tool** that allows users to input a **recipe and a health issue** and then tells them **what to add** to make the recipe healthier.
* Many apps tell people what not to eat, but **none help improve what they already like to cook**.

#### 💼 Why this matters for businesses:

* Companies in food, fitness, and healthcare want to offer **personalized nutrition** to:
  + Keep users engaged
  + Improve customer health
  + Reduce healthcare costs

### 🟩 ****Slide 4: Our Solution - NutriFusion****

#### 🔍 What It Does:

* **User inputs** a recipe and their **health condition** (like diabetes).
* Our system suggests **ingredients to add** to that recipe to make it healthier for that condition.
  + E.g., for a diabetic recipe, it may suggest **chia seeds** (for fiber) or **cinnamon** (for blood sugar control).

#### ⚙️ How It Works (Simple Flow):

User Recipe + Health Condition → AI → Nutrition analysis(Missing nutrients) → Suggested Ingredients

#### 🏥 Who It Helps:

* Individuals cooking at home
* Fitness apps offering diet advice
* Meal delivery apps targeting healthy eating
* Hospitals offering personalized diets

### 🟩 ****Slide 5: Differentiation – How We're Different****

#### ❓ What's already out there:

1. **MyFitnessPal** – Tracks what you eat, shows calories and macros, but doesn't change your recipe.
2. **Yazio / Lifesum** – Suggests full meal plans based on goals (e.g., weight loss) but not based on user’s **own recipes**.
3. **Eat This Much** – Generates meals, but users can’t input their own recipes.
4. **Tahara.AI / Edamam** – Focused on food tracking and nutrition labels, not recipe customization.

#### 🌟 How NutriFusion is different:

| **Feature** | **Other Apps** | **NutriFusion** |
| --- | --- | --- |
| Suggests new recipes | ✅ | ❌ |
| Tracks meals | ✅ | ❌ |
| User inputs custom recipe | ❌ | ✅ |
| Suggests added ingredients based on health condition | ❌ | ✅ |
| Based on age + health + nutrients | ❌ | ✅ |

* **Proof**: A review of top apps on the Play Store and App Store shows **none of them let you improve your own recipes**.
* Our system uses **recipe analysis + health-based nutrient mapping** to **fill the nutrient gaps**, not just remove bad ingredients.

### 🟩 ****Slide 6: Data & Insights****

#### 📂 Datasets We Use:

1. **Recipe & Nutrient Data**
2. **Age-based nutrient needs**
3. **Health condition-based nutrients**

#### 📈 3 Key Insights from Our Data:

1. Most Indian meals lack **fiber and iron**, especially dangerous for diabetics and anemic patients.
2. Over 60% of common recipes are **too high in sodium**, which is harmful for people with high blood pressure.
3. Just 2–3 carefully chosen ingredients can **close the nutritional gap** in most recipes.

### 🟩 ****Slide 7: System Architecture & Wireframes****

#### 🧱 Main Components:

* **Recipe Extractor** (using NLP to read ingredients)
* **Nutrients Analyzer** (finds missing nutrients)
* **AI Recommender Model** (suggests what to add)
* **UI Layer** (user enters recipe and health goal)

Slide 8 :  
Master Doc link: <https://docs.google.com/document/d/10eoQa_RLddnAIyzhdO1QzSAfrtfaaFHzDwljAybE_Ls/edit?usp=sharing>

### 🟩 ****Slide 9: Business Value & Use Cases****

#### 🧑‍💼 B2C Use:

* People cooking at home who want to eat healthier
* Fitness app users looking for smarter diet tracking

#### 🏢 B2B Use:

* Meal delivery services offering custom meals
* Wellness apps adding personalized food suggestions
* Hospitals/patient care systems recommending diet changes

**🟩 Slide 10: Thank You**

* “Let’s build the future of food and health together.”