**Ingredient Usage Insights**

**What it does:**

* Looks at all the recipes on your platform and finds out which ingredients are used the most.
* It shows users the most popular ingredients or trending ones.

**How it works:**

1. Count how many times each ingredient appears in recipes.
2. Show the most common ones in a list or graph.

**Tools:**

* Use Python libraries like Pandas to handle data.
* Or use a simple Python tool called collections.Counter to count ingredients.

**2. Basic Recipe Recommendations**

**What it does:**

* Suggests recipes that are similar to what a user has liked or viewed before.

**How it works:**

1. Check the tags (like “spicy” or “dessert”) or ingredients in recipes.
2. Compare recipes to see how similar they are (e.g., a pasta dish with cheese is similar to a pizza with cheese).
3. Recommend recipes that match what the user likes.

**Tools:**

* Use Python’s built-in tools like collections or use Scikit-learn for simple similarity checks.

**3. Allergen Alert System**

**What it does:**

* Warns users if a recipe contains something they are allergic to, like nuts or gluten.

**How it works:**

1. Save user allergies (e.g., nuts, dairy).
2. When a user looks at a recipe, check if it has any of their allergens.
3. If it does, show a warning.

**Tools:**

* Use Python’s dictionaries (a simple way to store data and look it up).

**4. Recipe Upload Quality Check**

**What it does:**

* Ensures recipes uploaded by users are complete and easy to understand.
* Optionally, checks for spelling or grammar mistakes.

**How it works:**

1. Create rules to check if important fields are filled in (e.g., ingredients, steps).
2. Use simple tools to check if the instructions make sense.

**Tools:**

* Use Python libraries like **TextBlob** or **NLTK** for basic text analysis.

**5. Recipe Image Classification (Basic)**

**What it does:**

* Identifies the type of recipe (e.g., “vegetarian” or “dessert”) based on the image users upload.

**How it works:**

1. Collect images of recipes and label them (e.g., mark some as “vegetarian” or “dessert”).
2. Use a pre-trained AI model like MobileNet or ResNet to classify new recipe images.

**Tools:**

* Use AI libraries like **TensorFlow** or **PyTorch** with pre-trained models.

**Why These Features Are Easy:**

* Most features only need **basic tools** and simple coding (e.g., counting, comparing, or storing data).
* For image-related tasks, you don’t need to build AI models from scratch—you can use **pre-trained models** that are ready to use.