

## Product Manager

### Task:

Design a product concept for an **all-in-one app** that integrates:

- **Calls, Messages, and Social Media:** Centralized communication platform.
- **Network Management:** Valid and updated data for Personal, Self Employed, Professional, and Business needs.

### Key Requirements:

1. Utilize **Blockchain** for secure, genuine, and tamper-proof data.
2. Implement **AI/ML** for personalized solutions and data validation.
3. Ensure the app caters to:
  - Individuals: For personal communication and data management.
  - Self-employed, professionals: Tools for networking and collaboration.
  - Businesses: Centralized, valid, and updated data for Promote and customer engagement.

### Deliverables:

1. Define the core **features** and **functions** of the app.
2. Create a high-level **product roadmap** detailing the development stages.
3. Resource Similar Products or App

# Messages

## Task:

Design an AI/ML-powered solution for **Message Classification and User Experience Enhancement** with the following features:

## Key Requirements:

### 1. Spam and Fraud Detection:

- Use AI/ML to classify and detect spam, fraud, OTP, logistic, or transactional messages....etc
- Suggest methods to block or tag suspicious messages.

### 2. User Interface for Classified Messages:

- OTP Messages: Propose a design to highlight OTPs for easy access and auto-delete after expiry.
- Logistic Messages: Enable a **Track** button within the app for real-time tracking without switching to external apps.

### 3. Smart Actions:

- Power Bill Messages: Provide a **Pay Now** option with an integrated payment solution directly in the app.
- Other transactional messages: Suggest similar actionable buttons (e.g., recharge, book tickets).

### 4. User Tagging and Suggestions:

- Propose ways to tag users based on message types (e.g., frequent bill payers, shoppers).
- Suggest in-app solutions like promotions or services tailored to user habits.

## Deliverables:

- A document or presentation explaining the proposed solution.
- Include AI/ML models or techniques to achieve the functionality.
- Provide example use cases to demonstrate user workflows.

## Calls, Spam & DND

### Task:

Design an AI/ML-powered solution to enhance the functionality of a calling app with the following features:

### Key Requirements:

#### 1. Spam Call Detection and Blocking:

- Develop a model to detect and block spam calls in real-time.
- Explain the techniques (e.g., anomaly detection, pattern recognition) used for spam classification.

#### 2. DND Implementation:

- Propose a model to manage and enforce DND preferences, ensuring users do not receive unwanted calls.
- Suggest how the system can handle exceptions (e.g., urgent calls).

#### 3. Caller ID and Call Categorization:

- Integrate AI solutions to provide real-time caller ID and categorize calls (e.g., personal, business, spam).
- Highlight how the app can display this information during incoming calls.

#### 4. User Call Log Management:

- Suggest a tagging system for call logs (e.g., spam, blocked, missed, answered) for better user insights.
- Provide methods to analyze call patterns and suggest blocking or prioritizing calls.

### Deliverables:

- A document or presentation outlining your approach.
- Include AI/ML models, algorithms, or frameworks you would use.
- Provide example scenarios demonstrating the app's features.

# Data Scraper

## Task:

Develop a web scraping tool to collect and process data from open-source platforms.

## Key Requirements:

### 1. Data Collection:

- Create a tool to scrape business-related data from platforms like Google Business or LinkedIn, or any similar sources.
- Extract relevant fields such as name, location, contact details, industry, etc.

### 2. Data Processing and Cleaning:

- Process the scraped data to handle missing, duplicate, or inconsistent values.
- Prepare the data for training AI/ML models (e.g., ensuring consistent formats, removing noise).

### 3. Scalability and Efficiency:

- Ensure the scraper can handle large-scale data collection efficiently without violating platform policies.

## Deliverables:

- Share your tool's code via GitHub or a similar platform.
- Provide a sample dataset generated from your tool (ensure it's anonymized and ethical).
- Brief documentation on how to run and test the scraper.