

These **problem statements** are **suggestions** designed to inspire you and spark ideas for your project.

You are encouraged to use these as a starting point, but you have the freedom to think broader and choose any problem or opportunity within the sectors provided:

Healthcare
Finance
Education
Automation
Smart Cities
Banking

Feel free to bring in your creativity and innovation to identify unique challenges and solutions that resonate with your expertise and interests.

The goal is to solve real-world problems while showcasing your technical and problem-solving skills.

Healthcare:

1. **AI Health Assistant for Rural Areas:** Develop an AI chatbot to assist rural populations with health queries, providing multi-language support and offline access.
2. **Symptom Checker Chatbot:** Create a chatbot to help users identify potential health issues based on symptoms, with recommendations for nearby specialists or healthcare centers.
3. **Mental Health Support Bot:** Build a chatbot to provide mental health resources, guided relaxation exercises, and connections to licensed therapists.

Finance:

1. **Personal Finance Mentor:** Design a chatbot that provides users with investment tips, tracks expenses, and offers budgeting advice.
2. **Budgeting Genie for Students:** Design a chatbot that helps students manage pocket money, track spending, and find discounts or cashback offers from local merchants.
3. **Stock Market Mentor:** Develop a chatbot that introduces students to stock trading basics, key financial terms (e.g., P/E ratio, dividends), and read market trends.

Education:

1. **Peer-to-Peer Learning Facilitator:** Build a chatbot to connect students with peers skilled in specific subjects, fostering collaborative learning and skill exchange.
2. **Campus Connect Chatbot:** Create a chatbot for colleges to manage student inquiries about campus services, events, and administrative procedures.
3. **Career Guidance Bot:** Build a chatbot to assist students in exploring career paths, offering personalized recommendations based on their skills and interests.

Automation:

1. **Smart Roommate Coordinator:** Build a chatbot to manage shared living spaces by dividing chores, tracking expenses, and resolving roommate conflicts through polls and suggestions.
2. **Time-Saving Study Planner:** Design a chatbot that auto-generates study schedules by analyzing a student's syllabus, exam dates, and free time, with reminders and revision tips.
3. **Smart Home Assistant:** Create a chatbot to control smart home devices, automate daily routines, and provide energy-saving suggestions.

Smart Cities:

1. **City Complaint Resolution Assistant:** Build a chatbot to handle public complaints about infrastructure (e.g., potholes, waste management) and track resolutions.
2. **Eco-Guide Chatbot:** Create a chatbot to promote eco-friendly practices in cities, guiding citizens on waste segregation, recycling, and reducing carbon footprints.
3. **Public Transport Guide:** Develop a chatbot to provide real-time updates on public transport schedules, routes, and delays for city commuters.

Banking:

1. **Spending Habit Analyzer:** Create a chatbot to analyze students' spending patterns, suggest cost-cutting measures, and recommend smart financial habits for the future.
2. **Loan Eligibility Checker:** Create a chatbot to help customers assess loan eligibility by collecting basic details and providing customized recommendations for bank products.
3. **Savings Goal Tracker:** Build a chatbot to assist users in setting and tracking savings goals, with personalized tips for achieving financial milestones.