Project Ideas:

Put your PID beside an idea you like or write another you’d prefer

Mobile Apps:

Pantry/fridge inventory app

Cat/Dog feeder app

Health tracking app

Website:

Speech-to-text essay writing website

Internship/job tracking website

More Complex Systems:

1. **A restaurant guest tracker** (for tracking the busiest hours and collecting data)

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1. **Digital Classroom Platform:** Build an online learning platform for schools or universities. This system would require analyzing various features like course creation, student-teacher interactions, grading, and content delivery
2. **Virtual Reality Game:** Develop an application that uses augmented reality (AR) to allow users to visualize how different furniture and decor items would look in their homes. The system could provide recommendations based on room dimensions and style preferences.
3. **Smart Home Automation System:** Design a system that allows homeowners to control and automate various aspects of their homes, such as lighting, HVAC, security, and appliances, through a centralized application. You can analyze different sensors and devices to create a seamless smart home experience.

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1. **Environmental Monitoring System:** Develop a system that collects and analyzes environmental data, such as air quality, pollution levels, weather conditions, and biodiversity. This data can be used for research, public awareness, and policy-making.
2. **Real-time Language Translation:** Develop a system that provides real-time language translation during conversations, whether in person or over video calls. Analyze speech recognition and translation accuracy.

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1. **Home Energy Management System:** Create a system that allows homeowners to monitor and control their energy consumption in real time, offering suggestions for optimizing energy usage

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1. **Smart Farming System:** Design a system that utilizes IoT (Internet of Things) sensors to monitor and analyze data from agricultural operations, such as soil moisture, weather conditions, and crop health.