



Jun Chao, Nathan Wong, Siem Debesay, Simon Xu, Tanveer Parhar

Meet Jimmy Papatie

- Lifelong resident of Kitcisakik
- Deeply committed to environmental preservation
- Dedicated to the well-being of his community
- Spiritual
- Faces significant challenges in surviving



<https://ca.news.yahoo.com/anishinaabe-community-quebec-set-finally-090000190.html>

Current Situation

- Inconsistent and unreliable access to clean water
- Water supply is often contaminated or insufficient
- High costs for water delivery services
- Water scarcity conflicts with community values of sustainability
- Environmental harm caused by over-reliance on external water sources
- Many households lack access to clean water



<https://www.theguardian.com/world/2021/apr/30/canada-first-nations-justin-trudeau-drinking-water>

Problem Statement

How might we create an affordable, reliable, and sustainable monitoring system that respects native traditions while ensuring essential environmental data is accurately captured for the residents of Kitcisakik?

Strategy

- Smart Home Water Monitoring System
- Water quality monitoring
- Measuring water flow
- Tracking water temperature
- Detecting water clarity
- Easy connection via Bluetooth



Water Quality



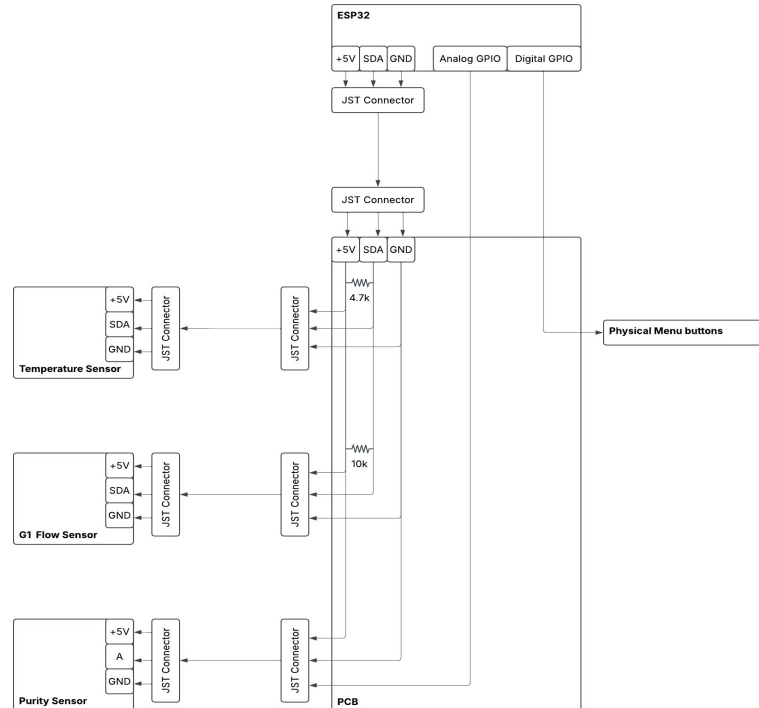
Tech Stack & Block Diagram

 Streamlit

 OpenAI

 PROPHET

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Demo Time

Thank you!