

Mohammad Ali Mahdi - Project Portfolio

Oulu Botanical Garden Navigation System

Timeline: 17/05/2026 - 06/06/2026

Role: Developer (Frontend + Backend + Navigation Logic)

Developed a comprehensive navigation system tailored for the Oulu Botanical Garden. Responsible for building the full-stack architecture, including the backend API services, frontend user interface, and the core routing/navigation logic.

- **Frontend Repository:** <https://github.com/Mojojojo9975/BotaniNav>
- **Backend Repository:** <https://github.com/Mojojojo9975/BotaniNavBack>

Datamend

Timeline: 19/09/2025 - 21/12/2025

Me and my teammate created an app that takes in dirty data, profiles it and gives AI recommendations on how to improve the data quality. It also comes with additional data visualization features.

- **Video Demo:** <https://www.youtube.com/watch?v=4jYDVjbDELg&feature=youtu.be>

CampaignClickR

Timeline: 17/12/2025 - 19/12/2025

Me and my team created an automated workflow for P&G. We took in their requirements and limitations and created a workflow without suggesting any kind of change to their original workflow.

- **Video Demo:** <https://www.youtube.com/watch?v=1tsqgPLbrlw>

BookRAG

Timeline: 11/12/2025 - 22/12/2025

Me and my friend created a RAG model similar to NotebookLM of Google. It was tailored towards the NCTB curriculum students of Bangladesh with additional query refinement and advanced retrieval, as well as conversation retaining (which is done locally).

- **Video Demo:** <https://youtu.be/psGAvcGFxF8>