

**Title:** *Project Showcase Summary – AI & Data Portfolio*

**Overview:**

This document contains high-level summaries of projects completed across data science, machine learning, and AI domains. These projects reflect hands-on skills in analytical modeling, visualization, and end-to-end deployment.

**Selected Projects:**

- **Predictive Analytics for Urban Transit**  
Built a forecasting model to optimize scheduling and improve passenger flow prediction in metro cities. Utilized time-series models and geo-visual dashboards.
- **Conversational Agent for Policy Briefing**  
Developed an AI chatbot using Retrieval-Augmented Generation (RAG) architecture to simulate real-time dialogue based on legislative document grounding.
- **Market Segmentation Dashboard**  
Clustered customer profiles using unsupervised learning and built an interactive dashboard to support business intelligence for a mid-sized FMCG company.