Week 2 Task: Data Preprocessing

I've published a comprehensive article titled **"From Raw Data to Reliable Models: My Journey into Data Preprocessing"** that explores the critical importance of data preparation in machine learning workflows.

Article Link: [From Raw Data to Reliable Models: My Journey into Data Preprocessing](#)

The article shares my practical experiences with various data preprocessing techniques and how they significantly impact model performance and reliability.

Week 2 Task: Advanced Web Crawling with AI

I developed an intelligent web scraping system using the **Crawl4ai** framework that extracts academic research papers from arXiv. The implementation demonstrates sophisticated asynchronous crawling capabilities with AI-enhanced content extraction.

Project Repository: [Crawl4ai - AI-Powered Web Scraping Framework](#)

The system efficiently collects research paper metadata including titles and authors from arXiv's artificial intelligence publications, showcasing advanced web data acquisition techniques for academic content aggregation.