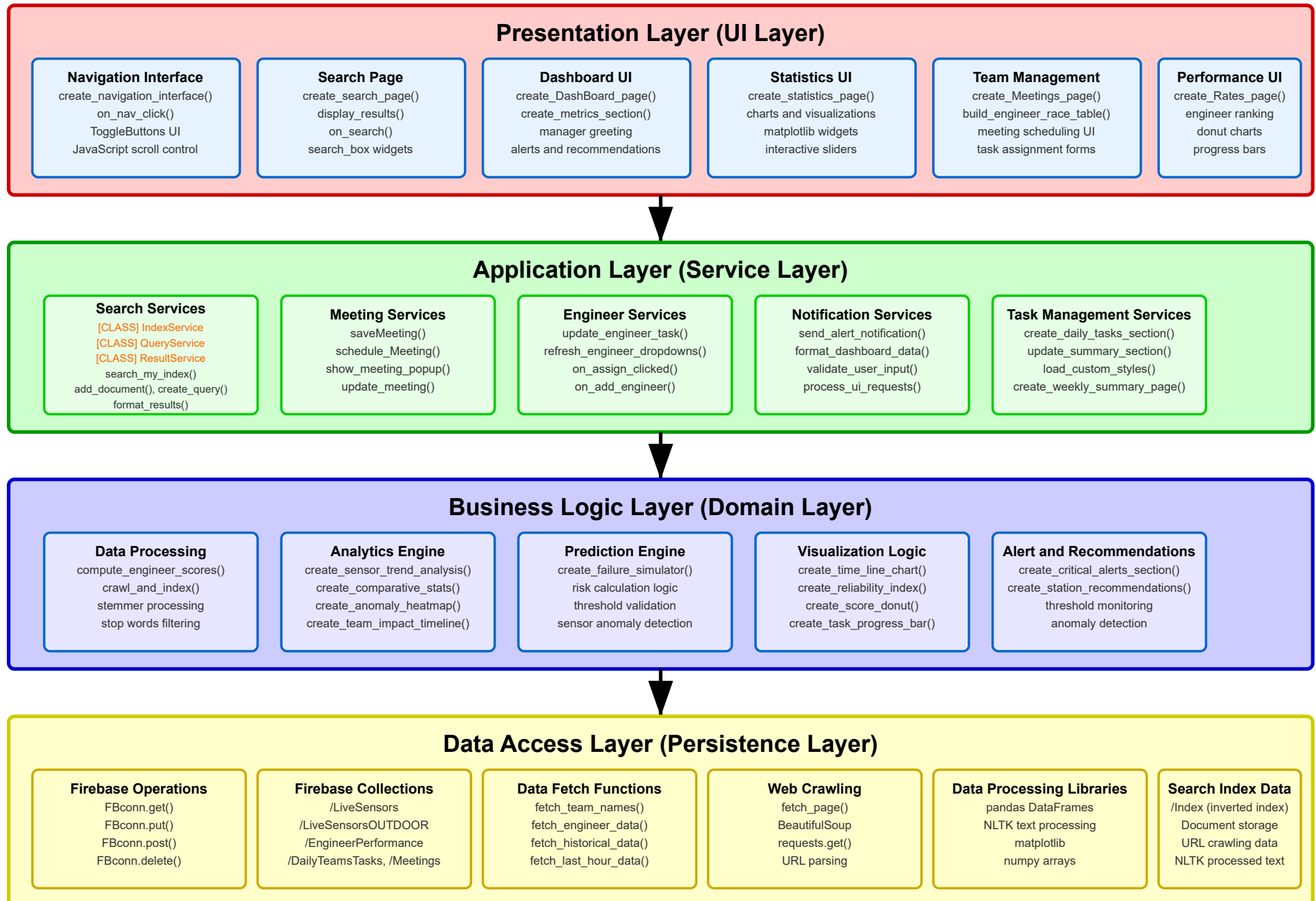


Layered Architecture - Sensor Management System

מערכת ניהול חיישנים ומעקב ביצועים



Usage and Benefits:

- Real-time sensor monitoring and management
- Team performance tracking and task assignment
- Meeting scheduling and engineer management
- Advanced analytics and failure prediction
- Document indexing and intelligent search

Implementation Details

This sensor management system implements a 4-layer architecture with Firebase backend, real-time data processing, and interactive Google Colab widgets. Features include intelligent search with text processing, team management, engineer performance tracking, predictive analytics, and comprehensive sensor monitoring with intelligent alerts and recommendations. Built with Python, pandas, matplotlib, NLTK, and Firebase for scalable data management in Google Colab environment.