

Solution Architecture

Date	23 October 2023
Team ID	Team-591556
Project Name	Predicting Mental Health Illness of Working Professionals Using Machine Learning

Solution Architecture:

The Project has a multi-tiered system. At its core is a data collection layer that aggregates a wide range of employee data while respecting privacy and ethics. This data is then processed by a machine learning model, which employs advanced algorithms to predict mental health risks based on behavioural and work-related patterns. Real-time monitoring is facilitated through an AI-powered chatbot that provides immediate support to at-risk employees. Additionally, the solution includes a dashboard for HR managers to visualize employee well-being trends. The architecture aims to be scalable, secure, and user-friendly, promoting a data-driven, proactive approach to mental health support in the workplace.

Solution Architecture Diagram:

