**7%**Churn Percent

# Our Employee At Risk Pilot Program

Churn prediction models are essential tools for businesses aiming to mitigate customer attrition. These models leverage historical data to forecast which customers are most likely to churn in the future. Through meticulous data collection, feature engineering, and model selection, these models can accurately identify patterns and signals indicative of potential churn. Once deployed, they provide actionable insights that empower businesses to implement targeted retention strategies, thereby reducing churn rates and fostering long-term customer loyalty. Continuous monitoring and adaptation ensure that these models remain effective in dynamic business environments, ultimately driving sustainable growth and profitability.

### **Supporting Metrics**

Departments 10 Satisfaction\_Level 0,50

Time\_Spend\_Company 3,39

 $\begin{array}{c} \text{average\_montly\_hours} \\ 213 \end{array}$ 

#### **What is Driving Churn**



## ML Model

Using a Random Forest model to predict employee churn, three key factors emerge: satisfaction level, time spent at the company, and average monthly hours. These factors offer actionable insights for strategic decision-making. Satisfaction level reflects employee morale, time spent indicates commitment, and average monthly hours reveal workload balance. Focusing on these factors enables the company to address underlying issues, optimize satisfaction, and reduce turnover, fostering stability and growth.

Satisfied
Employee Sentiment

## **Where Are People Leaving**

7
Predicted to Leave

