



DAILY WORK
REPORT
TR-02

INFOWIZ
8 JUNE 2024

Day 3: Applications of Machine Learning

Summary: Today focused on exploring the wide-ranging applications of machine learning across various industries and domains, highlighting its transformative impact on real-world problems. I also gone through various projects so that I can understand how things work

Key Learnings:

1. Healthcare:

- Explored how machine learning is used for disease diagnosis from medical images (e.g., MRI, X-ray) and personalized treatment recommendations based on patient data.
- Discussed the role of predictive analytics in healthcare management, such as patient readmission prediction and hospital resource optimization.

2. Finance:

- Investigated applications like fraud detection using anomaly detection algorithms and credit scoring models based on customer data.
- Explored algorithmic trading strategies that leverage machine learning to analyze market trends and make trading decisions.

3. Autonomous Vehicles:

- Learned about computer vision techniques in self-driving cars for object detection, lane detection, and decision-making algorithms that ensure safe navigation.
- Discussed the integration of reinforcement learning in training AI agents for real-time decision-making on the road.

4. Natural Language Processing (NLP):

- Explored applications such as sentiment analysis for social media monitoring, chatbots for customer support automation, and machine translation for multilingual communication.