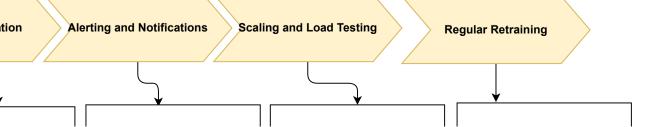


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**Serverless Deployment** 

Deploy your model as serverless functions that scale automatically.







### **Edge Deployment**

Deploy models on edge devices for low-latency and offline capabilities.











# **Batch Processing**

Process data in large batches offline, suitable for less time-sensitive tasks.







#### **Hybrid Deployment**

Combine multiple deployment strategies to optimize for different scenarios.

A combination of tools mentioned above, tailored to your specific needs.

# **Model Marketplace Integration**

Deploy models on platforms that allow others to access and use them.





#### **Microservices Architecture**

Break down your application into smaller, independent services, including Al model services.







# model's performance metrics, including accuracy, precision, recall, and F1 score.

- Continuously track the

 Monitor inference latency and response times to ensure real-time responsiveness.

Model Drift Mitigation

Implement strategies to mitigate concept drift, such as retraining on recent data or using online learning techniques.

#### **Cloud-based Services**

Use managed AI and ML services provided by cloud platforms.





Azure Machine Learning



Amazon SageMaker

## **Stream Processing**

Process data in real-time streams, suitable for continuous predictions.





# **AutoML Deployment**

Deploy models created using automated machine learning platforms.



Google's AutoML



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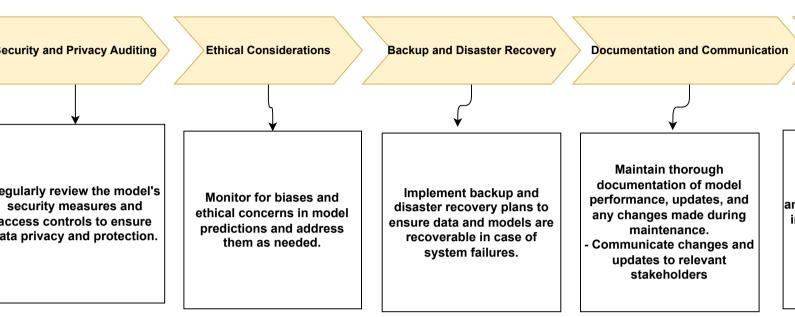
arly assess the model's mance on new data to tify potential concept where the underlying distribution changes over time.

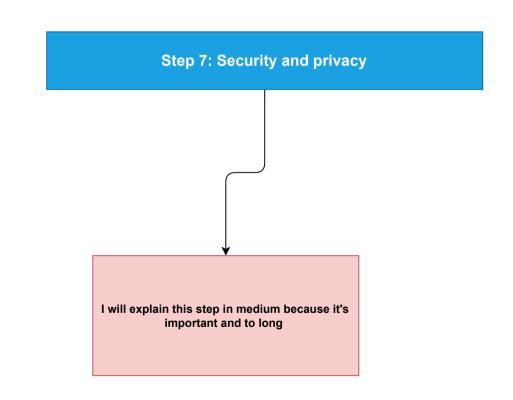
Monitor input data quality, including missing values, outliers, and anomalies.
Validate that the input data distribution remains consistent with the training data distribution.

 Analyze model predictions that result in errors or misclassifications to identify patterns or trends.
Use these insights to

- Use these insights to improve the model or refine the training data.

Keep track of different versions of the deployed model to easily roll back to a previous version if necessary. Monitor the ut computational such as CPU, m GPU, to ensur usag





ilization of resources, lemory, and e efficient Set up alerts and notifications to inform the appropriate teams when performance metrics deviate from acceptable ranges.

- Perform load testing to assess how well the model handles increased traffic and usage.
- Scale resources as needed to handle spikes in demand.

Consider scheduled retraining of the model using updated data to maintain its accuracy and relevance.

