



Module 11

Wrap-up Workshop



Icebreaker- Icebreaker – Would You Deploy It?

You have a working model with 60% accuracy, low drift detection, and high latency. Would you deploy it? Why or why not?



Module 4

Wrap-up Workshop



Agenda

- **Key takeaways**
- **Finding opportunities and generating impact**
- **Project check-in**
- **Q&A**
- **Wrapping up and next steps**
- **Module 11: Monitoring, Maintenance, and Continuous Learning**



Module 11

key takeaways

Key takeaways

1

Scalable ML deployment architectures using robust workflows enable a seamless transition from prototype to production, ensuring your models deliver consistent value while adapting to growing business demands.

2

Risk management strategies identify potential issues before they impact operations, significantly reducing downtime and enhancing the reliability of your ML solutions in real-world environments.

3

Resource allocation balances performance requirements with cost considerations, maximising operational efficiency while ensuring deployed models maintain compliance with security and regulatory standards.



What key takeaway do you think will have the biggest impact on your work?



Applying key takeaways

1

How could scalable ML deployment improve the way your team launches and maintains models in production?

2

What real-world risks have you seen in deployment — and how might a structured mitigation plan improve reliability?

3

In your role, where could resource constraints be better managed during deployment?



Share your plan to apply Module 11 skills

Go to My Multiverse, Module 11
Wrap-up Workshop



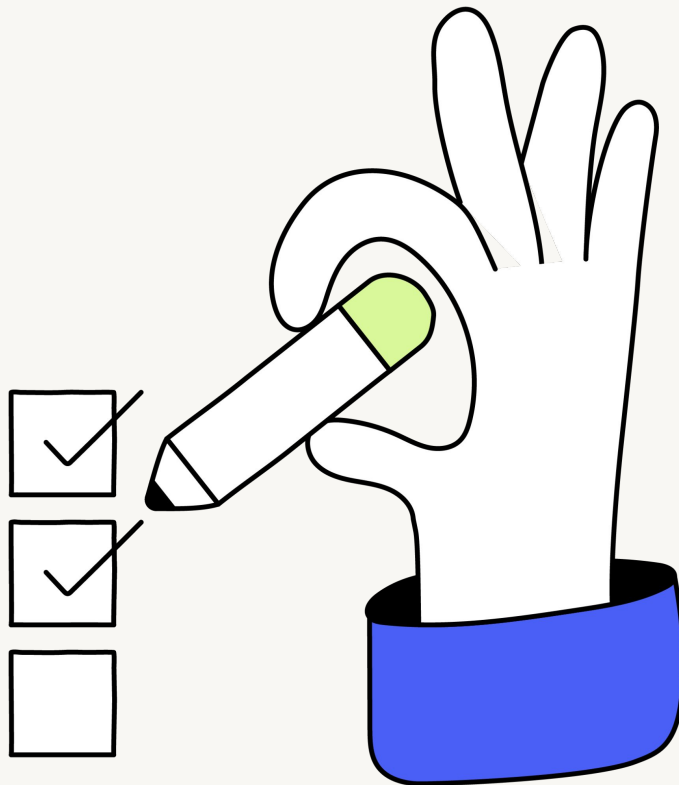
On page "Applying your skills", find the
discussion activity



Take 5 minutes to share how you will
apply this skill in your role



Take time this week to read what
others have written and get new ideas!





Phase 3 project

Module 11 milestone

Phase 3 project: Deploying ML models

Project objective: Deploy an accessible, scalable, secure, and cost-efficient ML model while maintaining and adapting its performance and providing clear communication.

**Module 11
milestone:**
Model
Deployment

**Module 12
milestone:**
Monitoring,
Maintenance, and
Continuous
Learning

**Module 13
milestone:**
Communication,
Documentation,
and Inclusive
Collaboration

We are here!

Module 11 milestone: Deploying ML models

Phase project objective: Deploy an accessible, scalable, secure, and cost-efficient ML model while maintaining and adapting its performance and providing clear communication.

Milestone task 1



Deploying the ML model: Explore various ML model deployment strategies to determine the most effective approach for ensuring model accessibility, scalability, and security in a production or testing environment. Implement mechanisms for version control, rollback, minimal downtime, and optimised performance.

Milestone task 2



ML/AI Platform architecture and resource allocation: Justify the selection of computational resources, including cloud services, GPU acceleration, and storage options, and compare different ML platform architectures to optimise infrastructure for efficiency and cost-effectiveness. Assess security risks and outline mitigation strategies.

Milestone task 3



Risk management in deployment: Identify potential risks associated with ML model deployment and implement comprehensive mitigation strategies to ensure model robustness and reliability. Develop monitoring and detailed rollback procedures to maintain performance and address failures.

Module 11 milestone: KSB requirements

Phase project objective: Deploy an accessible, scalable, secure, and cost-efficient ML model while maintaining and adapting its performance and providing clear communication.

Task 1 KSBs



Model deployment: K11

Task 2 KSBs



Monitoring, maintenance, and continuous learning: S22

Task 3 KSBs



Communication, documentation, and inclusive collaboration: None

Module 11 milestone tips for success

- 1 Design for change, not just deployment
- 2 Build in monitoring that means something
- 3 Make explainability part of your impact story
- 4 Document for the next you





Questions?



Wrapping up

Action items

- Attend Group Coaching session
- Complete your project milestone
- Share your project progress with your manager
- **Take the Module Survey** on My Multiverse



Next steps

Action items

- **Have questions?**
 - Chat with Atlas
 - Reach out to your Cohort Coach
 - Sign up for Tutoring
- **Log your OTJ hours**
- **Take the Module Survey** on My Multiverse



Looking ahead

Module 11: Monitoring, Maintenance, and Continuous Learning

multiverse