



## Tech Talks Session Housekeeping

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- The use of disrespectful language is prohibited in the questions, this is a supportive, learning environment for all - please engage accordingly.
- No question is daft or silly - **ask them!**
- There are **Q&A sessions** midway and at the end of the session, should you wish to ask any follow-up questions.
- If you have any questions outside of this session, or that are not answered during this session, please do submit these for upcoming Tech Talks Sessions. You can submit these questions here:

<https://forms.gle/MomSYvUWiSfKgMaZ9>

## Tech Talks Session Housekeeping cont.

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- For all **non-academic questions**, please submit a query:  
[www.hyperiondev.com/support](http://www.hyperiondev.com/support)
- You can find all Tech Talks resources in our GitHub repository:  
<https://github.com/HyperionDevBootcamps/Tech-Talks>
- We would love your **feedback** on lectures: [Feedback on Lectures](#)
- If you are hearing impaired, please kindly use your computer's function through Google chrome to enable captions.

# Safeguarding & Welfare

We are committed to all our students and staff feeling safe and happy; we want to make sure there is always someone you can turn to if you are worried about anything.

If you are feeling upset or unsafe, are worried about a friend, student or family member, or you feel like something isn't right, speak to our safeguarding team:



Ian Wyles  
Designated Safeguarding  
Lead



Simone Botes



Rafiq Manan



Charlotte Witcher



Nurhaan Snyman



Ronald Munodawafa



Tevin Pitts

Scan to report a  
safeguarding concern



or email the Designated  
Safeguarding Lead:  
Ian Wyles

[safeguarding@hyperiondev.com](mailto:safeguarding@hyperiondev.com)



# End-to-End Application Design: Merging Software Engineering, Data Science, and the Web

## Part 3

14<sup>th</sup> January 2025





# Learning Outcomes

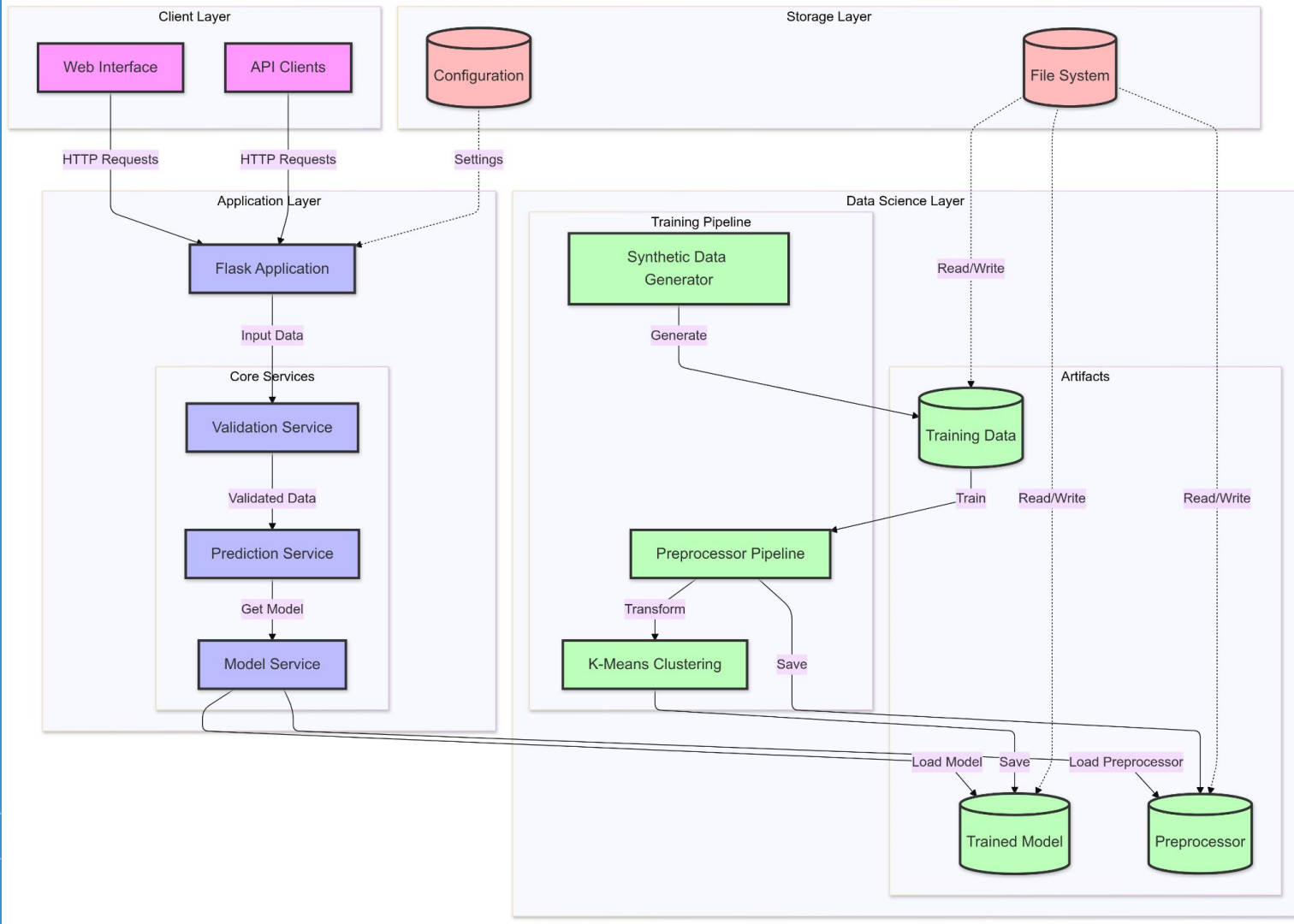
1. Describe the end-to-end workflow of a machine learning project
2. Appreciate the importance of testing and deployment in ML projects
3. Identify the role of key technologies and tools



# System Architecture

Questions around Version Control & Collaboration







# Resource

## Code

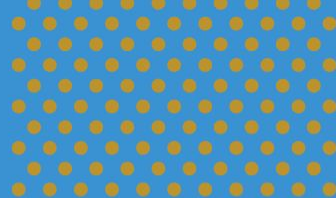
- Chatbot:  
[https://github.com/JulienNyambal-hyperiondev/end\\_2\\_end\\_chatbot\\_python](https://github.com/JulienNyambal-hyperiondev/end_2_end_chatbot_python)
- Data Driven Project:  
[https://github.com/JulienNyambal-hyperiondev/end\\_2\\_end\\_python\\_customer\\_segmentation](https://github.com/JulienNyambal-hyperiondev/end_2_end_python_customer_segmentation)



# Questions and Answers

Questions around Version Control & Collaboration





**Thank you!**

