The Complete Data Science Journey: Learn, Analyze, Predict and Deploy

session #24

Module #5: Advanced Analytics & Deployment

Final Project Development

Instructor: (Mr.) Sokunthaneth CHHOY

Session Objectives

- Provide structured time to develop your final project

- Receive real-time feedback from instructor and peers

- Prepare for project presentation and submission

What Your Final Project Should Include

- A clear problem statement

- End-to-end data pipeline

- Strong exploratory analysis

- Well-chosen model(s)

- Deployment via Flask / FastAPI / Streamlit

- Compelling data storytelling

Project Pitch Practice

Take 2 minutes to answer:

- What problem are you solving?
- What data are you using?
- What methods have you applied?
- Any blockers or next steps?

Peer Feedback + Instructor Guidance

Work Session

- Get coding!

- Finalize feature engineering

- Tune your model(s)

- Test your endpoints or dashboard

- Work on final visualizations and insights

Need help? I'm here to support you!

Deployment Checkpoints

- Does your app load without error?
- Can a user interact with it easily?
- Have you written clean, documented code?
- Hosted on GitHub / Render / Hugging Face Spaces?

Wrap-Up & Next Steps

- Final submission is due: [Insert Date]
- Include: code, documentation, and a short walkthrough
- Optional: Peer code review (pair up!)

Homework / Action Items

- Refine and finalize your project

- Deploy and test your model

- Start preparing for final project demo presentation