Advanced Tech Nights - Fall 2026 Schedule

Date	Workshop Lecture	Description	Project Checkpoints	Location
9/17/26	Intro to ML p1 Linear Regression Walkthrough Linear Regression Try yourself	We will meet people, talk about some basics of predictive analytics, and pick up a group for your project.	Find groupmates for sprint 1 project	CBA 4.322
9/24/26	Intro to ML p2 Supervised Learning Colab	We will talk about a few supervised learning methods, such as Logistic Regression, Decision Trees, and K-Nearest Neighbors. We will also talk about model evaluation.	Begin project	CBA 4.322
10/1/26	Intro to ML p3 Unsupervised Learning Colab	We will talk about a few unsupervised learning methods, and then give time to work on projects	Continue Project	CBA 4.322
10/8/26	Intro to ML PRESEN-TATIONS		Complete your sprint project and present	CBA 4.322
10/15/26	NN - basics			
10/22/26	Coding Neural Networks! MNIST NN			
10/29/26	Project Code			

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11/05/26	LLM Tooling: Retrieval Augmented Generation (RAG) Colab	Going over basic RAG concepts: embedding models, vector databases, similarity search, and document chunking using T4 GPU Runtime in Colab	Find a group for this sprint. The project will be on LLM tooling. You'll employ techniques such as RAG and Agentic AI to create your project.	
11/12/26	Creating tools for LLMs Colab	Going over creating tools for LLM use.		