Python Machine Learning (CSCI 425)
Student Showcase (Final Project) Rubric

Project Title:

Team Members:

Evaluator:

Instructions:
1. For each requirement, use 0.0 - 5.0 scale in the Score column (0 - Fail, 1 - Needs improvement, 2 - Poor, 3 - Fair, 4 – Good, 5 is Excellent)

Criteria	Score (1-5)
1. Problem Understanding	
a. Clearly defined problem statement.	
b. Understanding of the domain and context	
2. Data Preprocessing	
a. Data cleaning and handling missing values	
b. Feature engineering and selection	
c. Data normalization and scaling	
3. Model Selection and Evaluation	
a. Selection of appropriate ML algorithms	
b. Model training and tuning	
c. Evaluation metrics and performance analysis	
4. Creativity and Innovation	
a. Novelty and originality of approach	
b. Exploration of advanced techniques (Deep Learning, e.g.)	
5. Presentation	
a. Quality of visualizations and insights	
b. Ability to communicate results effectively	
Final Score	

General Feedback: