

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

Project Title: Symptom to Disease

Team Members: Jack, Daniel, Hector

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)
<b>1. Problem Definition &amp; Motivation</b>	
a. Clearly defined problem statement.	5
b. Understanding of the domain and context	5
<b>2. Data Acquisition &amp; Preprocessing</b>	
a. Data cleaning and handling missing values	5
b. Feature engineering and selection	4
c. Data normalization and scaling	5
<b>3. Model Selection, Evaluation &amp; Justification</b>	
a. Selection of appropriate ML algorithms	4
b. Model training and tuning	4
c. Evaluation metrics and performance analysis	4
<b>4. Creativity and Innovation</b>	
a. Novelty and originality of approach	4
b. Exploration of advanced techniques (Deep Learning, e.g.)	4
<b>5. Presentation</b>	
a. Quality of visualizations and insights	5
b. Ability to communicate results effectively	4
<b>Final Score</b>	53 / 60

General Feedback: