CODE-A-THON 2024

24-hour coding Challenge

Problem Statement 2

Predicting component failures based on history and usage data.

One of our core initiatives is to use telematics data collected from customers' equipment to proactively detect potential present or future equipment/component failures. Students will have the opportunity to develop a smart AI solution that reproduces and possibly surpasses a human expert's thought processes in predicting equipment/component failures using telematics data (specifically Product Link). The student team will have the freedom to identify recommendations they feel will make the greatest impact to equipment efficiencies for Caterpillar's global customers.

Supporting details that will be mailed:

- Data Set
- Threshold

Expected Outcomes:

- Identify recommendations to drive equipment efficiencies for our Caterpillar global customers.
- Recommendations with support materials showcasing how the project team leveraged analytical principles to arrive at recommendations to Caterpillar mentor team and stakeholders.