

30-Day AI Project Challenge

Student Self-Training Guide · Grade 8+ · Module 10 of 10

1. The Challenge

Complete a real AI project in 30 days. Build something useful, learn real tools, and add it to your portfolio. This is how real data scientists work.

2. Choose Your Project

Project Idea	Skills Learned	Difficulty
Predict your exam score from study hours	Linear Regression, Python	+P+P
Classify student images by expression	Image AI, Teachable Machine	+P+P
Build a quiz chatbot for your class	NLP, ChatGPT API	+P+P+P
Analyse school canteen sales trends	Data Analysis, Charts	+P+P
Detect drowsy students via webcam	Computer Vision, OpenCV	+P+P+P+P

3. 30-Day Week-by-Week Plan

Week	Focus	Deliverable
Week 1	Define the problem & collect data	Problem statement document
Week 2	Clean data & explore patterns	Charts showing key findings
Week 3	Build and train your model	Working AI model (even if imperfect)
Week 4	Test, improve & present	Demo + 1-page project summary

4. Your Project Report Must Include

1. Problem Statement: What problem are you solving and why does it matter?
2. Data: Where did you get your data? How many examples?
3. Method: Which AI approach did you use and why?
4. Results: How accurate is your model? Show numbers.
5. Lessons: What was hard? What would you do differently?

5. Judging Criteria

Criteria	Marks
Problem relevance & creativity	20
Data quality & preparation	20
AI model accuracy	25
Presentation & explanation	20

Innovation & future ideas

REMEMBER

The goal is NOT to build a perfect AI. The goal is to LEARN by doing. Every mistake teaches you something a textbook cannot.

