



TRAINING AN AI MODEL — WORKFLOW

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IMPLEMENTATION



OUTCOME 4 REQUIREMENTS
REMINDER



TECHNICAL WORKFLOW AND
DOCUMENTATION GUIDE

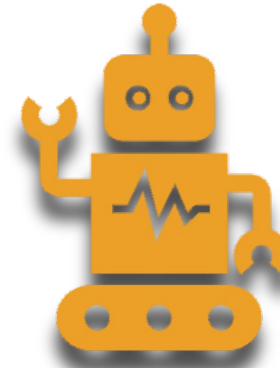
PROFESSIONAL NO-CODE TOOLS

- **Teachable Machine (Google):** Rapid prototyping for visual and audio models.
- **Microsoft Lobe:** A high-end desktop app for image classification projects.
- **Machine Learning for Kids:** Despite the name, it is a powerful sandbox for API and Scratch integration.
- **Obviously AI:** A professional tool for tabular data and predictive analytics.
- **Runway:** Advanced training tools for creative and generative AI applications.

NO LIMITS



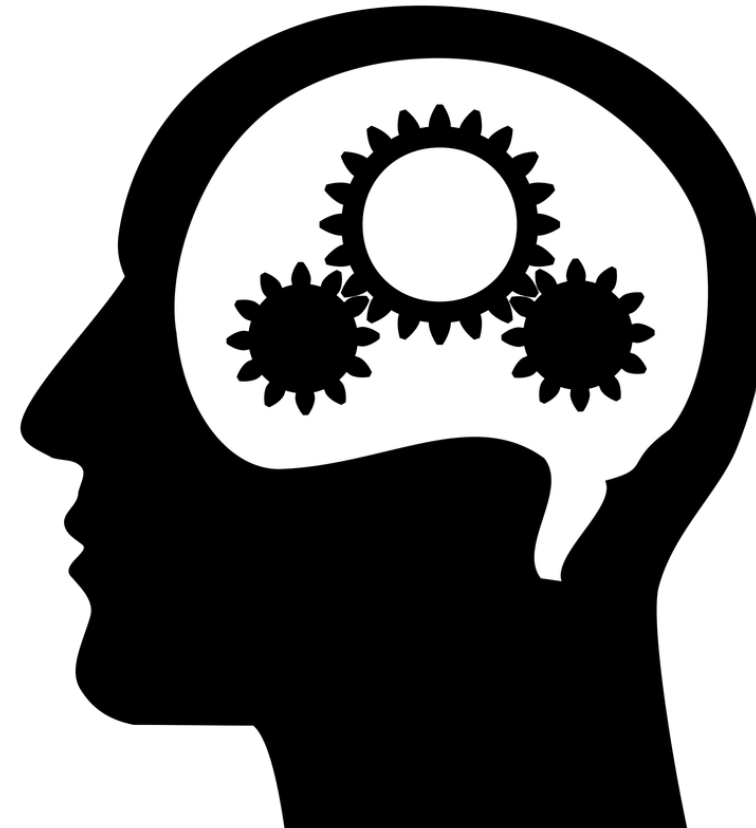
You are NOT limited to the list
provided



Use AI that can be trained and
NOT pre-trained

STEP 1 — DEFINING YOUR PROJECT SCOPE

- Identify a "real-world" problem.
- **Documentation:** Open your **Project Logbook** (Part 1) and record your AI category and project purpose.



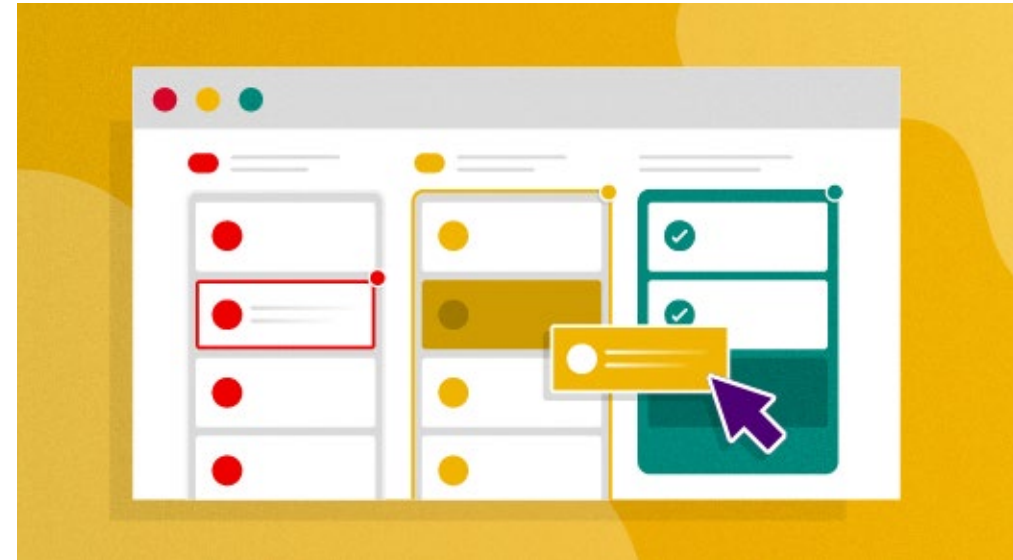
STEP 2 — SOURCING PROFESSIONAL DATA

- Visit **Kaggle** (www.kaggle.com)
- or **HuggingFace** (www.huggingface.co)
- Industry-standard datasets.



STEP 3 — DATA CLEANING & CATEGORISATION

- Organise your data into clear 'Classes' (labels).
- **Logbook:** Fill in Part 2, noting the quantity and diversity of your training examples.



STEP 4 – EXECUTING THE TRAINING PHASE

- Upload your data to your chosen platform (e.g., Lobe or Obviously AI)
- **Tip:** Monitor the training for errors; no coding is required, but attention to data quality is vital



STEP 5 — DEVELOPING A TEST PLAN

- Before you test, write down your "Expected Results" for 5 distinct scenarios
- **Logbook:** Populate the "Expected Result" column in your **Testing Table** (Part 4 of the logbook)



STEP 6 — SYSTEM TESTING & ANALYSIS

- Input new data into the model and record the "Actual Result".
- **Authentication:** Capture screenshots and/or video evidence of the functioning model for your portfolio.



STEP 7 — REFINEMENT & REFLECTION

- Identify if the model is biased or inaccurate and make adjustments.
- **Logbook:** Complete Part 5 (Reflection) to explain your iterative process.



SUBMISSION CHECKLIST



Does your portfolio contain:

- ✓ Model purpose?
- ✓ Training explanation?
- ✓ Working demo?
- ✓ Test results?
- ✓ Evidence of modifications?