

Modelquest — Concept Poster

Print this and pin it up — an at-a-glance map of the Modelquest cast and the ideas each one carries. Come back to it whenever you want to remember who teaches what.

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Meet the cast — and what each one teaches

Character	What they carry
Dara	Training data / bias — curates the data the model learns from; shows bias-in → bias-out
Faye	Accuracy vs fairness — moves the decision threshold and shows accuracy up, fairness down
Gil	Overfitting / generalization — memorizes the training set, fails on new data
Prue	Proxy variables — spots a feature that secretly leaks a protected attribute
Lux	Transparency / explainability — opens the black box and explains a decision
Nils	Privacy / data minimization — collects the least data needed
Wynn	Feedback loop / deployment harm — shows a deployed model reshaping its own future inputs
Odell	Human-in-the-loop oversight — keeps a human check on the automated decision
Sena	Consent / affected stakeholders — represents the affected community's voice (Sena + Faye = deployment case)
Amara	Mentor — frames the audit, keeps it anti-evangelist, guides reflect-on-decision (the AAR guide)

Key ideas at a glance

The big concepts this cast helps you master:

- What an ML model is; learns patterns from data
- Bias in → bias out; representation
- Features; proxies leak protected attributes
- The trade-off; fairness metrics
- Overfitting vs generalization

- FP/FN; the stakes differ
 - Opening the black box
 - Collect the least; on-device
 - Who's affected; consent
 - Deployment reshapes future inputs
 - Oversight; when to keep a human
 - Generative basics; hallucination + provenance
 - Where content came from; credit
 - Real-world harm cases
 - Value-tagged, no verdict
 - Audit a model end-to-end + decide
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