

AI systems for messy, high-value business problems.

Univ.AI combines machine-learning depth, software engineering, and business translation to build systems that survive contact with real workflows.



From model idea to working operation

We define the right problem, design the model and data path, translate technical metrics into business KPIs, and deploy usable workflows with the people who will actually run them.

Where Univ.AI fits

Custom AI

Agentic systems

AI research

Deployment

Healthcare, finance, law, pharma, energy, and other technical domains where the model has to become an operational system.

Run #1 | Q: Company Overview | File: acme_annual_report | Model: vertex_ai/gemini-2.0-flash | Setup: text-file

Question

Company Overview

Provide a company overview including: the full legal name, year of incorporation, state of incorporation, headquarters location, industry sector, CEO name, and CFO name. Use exact details from the document.

File

acme_annual_report

Response

- Full Legal Name: ACME WIDGETS INCORPORATED
- Year of Incorporation: Not found in document
- State of Incorporation: Delaware
- Headquarters Location: Springfield, Illinois
- Industry Sector: Widget manufacturing (inferred from company description)
- CEO Name: Sarah Mitchell
- CFO Name: James Rodriguez

Run Information

ID	LP Version	Model	Setup
1	1	vertex_ai/gemini-2.0-flash	text-file

Composite Score 1.0000

Source	Weight	Raw Value	Score	Weighted
accuracy-gpt-factual_accuracy	0.20	true	1.0000	0.2000
accuracy-gpt-completeness	0.15	incomplete	1.0000	0.1500

HEALTHCARE INSURANCE

Fraud prevention for claims operations

For a major healthcare insurance company, Univ.AI's work focused on surfacing suspicious claim patterns, designing review-ready analytics, and supporting investigators with model outputs that fit real claims workflows.

Claims anomalies

Audit workflows

AGENTIC SOFTWARE

ExtractoPrimo: evaluation loop for agents

ExtractoPrimo benchmarks model, prompt, setup, and agent combinations across documents. It tracks runs, prompt versions, judges, human review, composite scores, Elo comparisons, MLflow traces, and next actions for iterative extraction quality.

Tuskyagentsandskills-original

ExtractoPrimo tutorial — agents, skills, and agentic judges

24 Total Runs

16/16 Combos (actual/expected)

4 questions, 2 files, 2 models, 2 setups, 2 distinct values

2026-03-31 17:17:26 Latest Run

Latest Job

judge / agent-verifier 3/17/2026, 1:58:15 PM

Composite Score

0.7427 Mean Score

24 Runs Scored

0 Incomplete

0.200 - 1.000 Min - Max

Model	Mean	Runs	Setup	Mean	Runs
recall-gpt4o	0.7366	16	agent-edited	0.7366	16
gemini-2.0-flash	0.7355	8	text-file	0.7355	8

Applied AI for regulated, technical, and document work.

Univ.AI pairs modeling skill with domain constraints: audit trails, document citations, physical plausibility, deployment inside enterprise systems, and human review where it matters.

FINANCE

Risk, recommendations, and operating models

We build data and model workflows for high-stakes decisions: risk scoring, anomaly detection, recommender systems, financial document extraction, model monitoring, and stakeholder-ready dashboards.

Risk analytics

Decision support

LEGAL / CREDIT

Document intelligence with citations

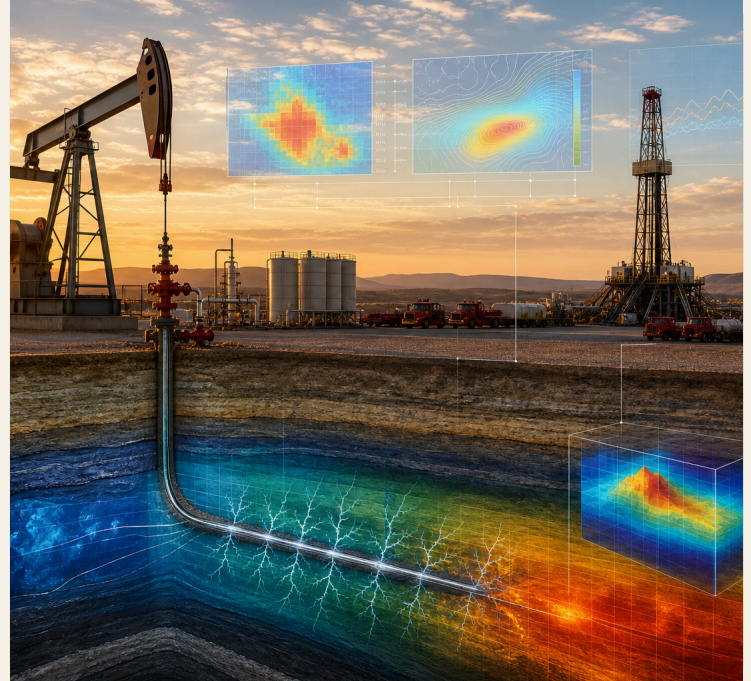
For insurance, credit and legal workflows, Univ.AI develops systems that search, reason over, and cite long contracts and loan documents, turning dense PDFs into structured, reviewable answers.

Contract QA

Cited answers

Implementation spine

Experiment tracking, data analysis and drift detection, model monitoring, continual learning, source citations, deployment handoffs, and documentation that client teams can keep using.



ENERGY / OILFIELD

CNN approximations for reservoir physics

For an oil company, Univ.AI used convolutional neural networks to approximate Darcy-equation behavior: estimating pressure and water saturation, and therefore oil saturation, across rock strata from reservoir inputs.

Pressure fields

Water/oil saturation

Compliant by design

Auditability, privacy, access control, and review workflows are part of the product design.

Technically thorough

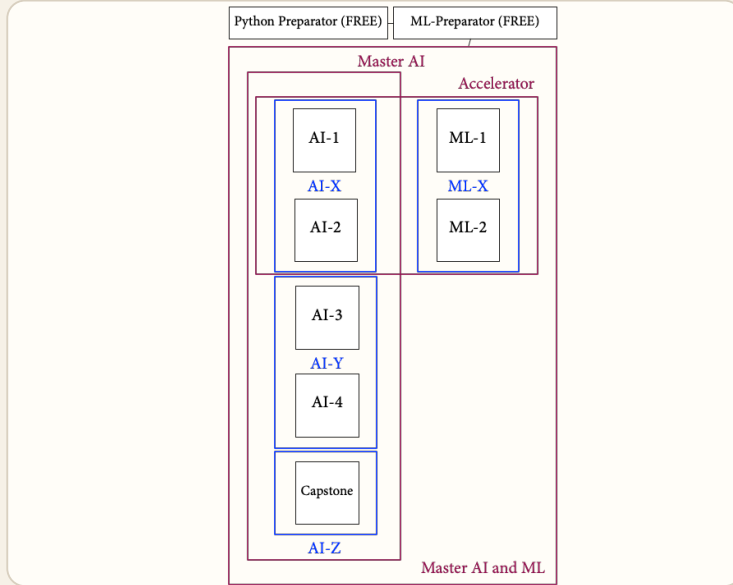
We work with model architecture, data strategy, validation, and deployment details.

Production level

The output is code, tools, dashboards, documentation, and a team that can use them.

We build the tools and teach the teams.

Univ.AI now runs corporate courses and workshops. Before that, Univ.AI was a full AI school with a long-form curriculum, capstones, and project-based learning.



CORPORATE COURSES

Training for teams

Workshops for engineering, analytics, product, and leadership teams adopting AI.

FORMER FULL AI SCHOOL

Capability curriculum

A 48-week Master AI path plus capstone across foundations, data science, NLP, generative AI, RL, Bayesian statistics, and causal inference.

ANALYTICS DATABASE

CricsDB

FastAPI, React, Semiotic, and SQLite turning ball-by-ball cricket data into deep-linked team, player, matchup, and scorecard views.

EASY DATABASE ACCESS

DeeBase

Async SQLAlchemy with dataclass tables, FK navigation, full-text search, migrations, and FastAPI CRUD routers.

AGENTIC SOFTWARE

MEAI

FastAPI and Meiliseach document analysis for XML/PDF uploads, credit-loan prompts, agentic retrieval, structured answers, and source-region citations.

AGENTIC SOFTWARE

DAIS

Agentic contract review for legal teams: clause classification, prompt-tuned redliner and judge LLMs, editable Word redlines, rationale, and reviewer signoff.

A practical path from problem to production.

Bring Univ.AI a data-rich business problem, a model that needs to become a product, or a team that needs to level up.

Our method

1. PROBLEM DEFINITION

Start with business reality

Identify pain points, define success metrics aligned with business KPIs, map existing processes and systems, and set scope and timeline.

2. MODEL CONSTRUCTION

Build the model and data path

Develop data strategy, model architecture, training and validation, inference design, and performance optimization.

3. BUSINESS TRANSLATION

Make model metrics meaningful

Translate model behavior into cost, risk, quality, growth, or service metrics. Design experiments and capture outcomes from real users.

4. DEPLOYMENT

Integrate, monitor, and train

Support system integration, inference optimization, monitoring, team training, customer data collection, and ongoing maintenance.

Engagements can include

Custom AI builds, research spikes, prototypes, production hardening, and team enablement.

Typical outputs

Code, APIs, dashboards, experiment traces, model docs, workflows, and training material.

Next step

Email rahuldave@univ.ai with the problem, data context, and desired business outcome.

Let's turn your AI opportunity into a working system.

We are careful in the project engagements we accept so that we can guarantee their success. For consulting, corporate courses, or even a fast technical scoping conversation, please contact us.

Email

rahuldave@univ.ai

Website

<https://univ.ai>