

Ready to build an **AI project** around **Law?**



From **contract analysis and legal research to case law discovery and bias detection**, AI is transforming how lawyers analyze information, build arguments, and make data-driven legal decisions.

With expert mentors from global tech companies, students build real AI tools at the intersection of **law, data, and technology.**



Why Delta AI?



OUTCOMES





- ➔ A standout project for your college application**
Admissions officers look for initiative and depth. An AI project in law shows both.
- ➔ A meaningful academic story tied to your passion**
Your project becomes something you can write about, talk about in interviews, and be proud to present.
- ➔ Real skills that set you apart**
Learn the same AI and data skills behind careers in law, legal tech, policy, and research.
- ➔ Inspired by real innovation in law and legal technology**
Work on ideas used by real lawyers and legal tech companies, adapted for your level.
- ➔ A recommendation letter that carries weight**
Your mentor writes a detailed letter speaking to your skills, growth, and work ethic.

STRUCTURE

AI Intensive 5-week cohort program

AI Immersive 25 hours of 1:1 mentorship

Students receive:

-  **Hands-on learning** with step-by-step guidance
-  A curriculum **built around your level**
-  A mentor **recommendation letter**
-  A **project white paper** documenting your work

Students work with mentors from leading tech companies driving the AI revolution.



Who Is This Built For?



Law-curious students



Both beginner and advanced learners



Students aiming for top college applications



Students looking for 1:1 or cohort mentorship

Applications of **AI in Law**



AI is transforming every aspect of law, from **legal research to courtroom strategy**.

AI is reshaping the future of law. Don't just study it, create with it.



Legal Analytics & Decision Support

Data-driven insights, case outcome trends, legal strategy support



Legal Document Analysis & Classification

Contract classification, clause extraction, document processing



Case Law Search & Precedent Analysis

Semantic search, legal research, citation analysis



Bias Detection in Legal Systems

Fairness analysis, discrimination detection, ethical AI



Contract Review & Risk Assessment

Risk detection, clause comparison, compliance analysis



Automated Legal Research Assistants

Question answering, statute search, legal knowledge retrieval



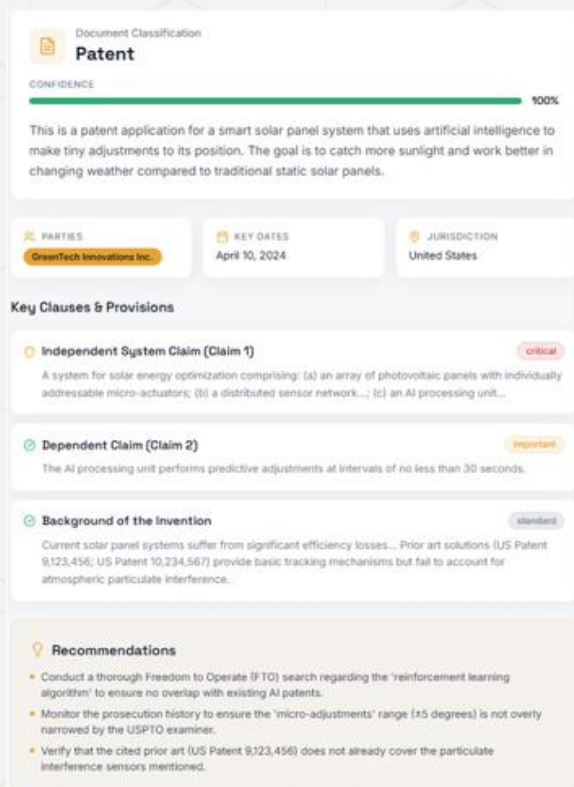
See portfolio-ready AI x Law students build with Delta AI



Project Gallery

Legal Document **Analysis and Classification**

A smart legal analysis tool that classifies contracts, briefs, and patents while extracting key clauses and provisions.



Document Classification
Patent

CONFIDENCE: 100%

This is a patent application for a smart solar panel system that uses artificial intelligence to make tiny adjustments to its position. The goal is to catch more sunlight and work better in changing weather compared to traditional static solar panels.

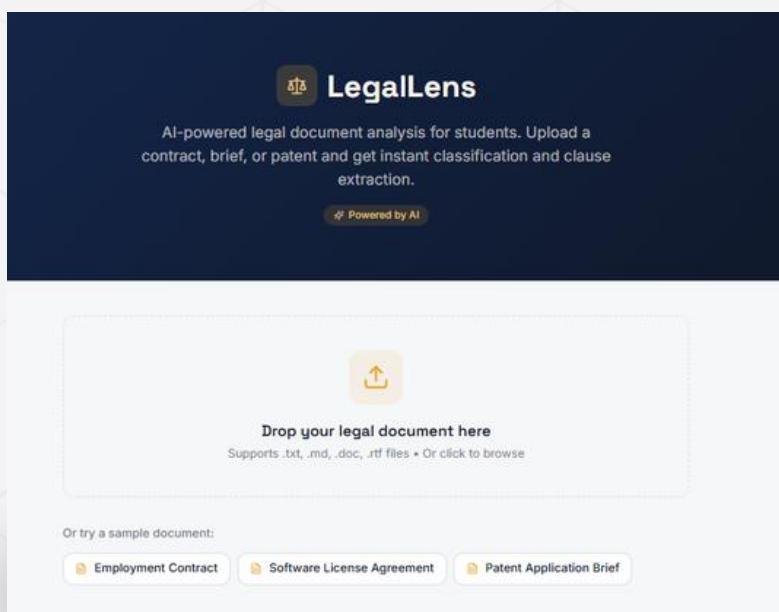
PARTIES: GreenTech Innovations Inc.
KEY DATES: April 10, 2024
JURISDICTION: United States

Key Clauses & Provisions

- Independent System Claim (Claim 1)** (critical): A system for solar energy optimization comprising: (a) an array of photovoltaic panels with individually addressable micro-actuators; (b) a distributed sensor network...; (c) an AI processing unit...
- Dependent Claim (Claim 2)** (important): The AI processing unit performs predictive adjustments at intervals of no less than 30 seconds.
- Background of the Invention** (standard): Current solar panel systems suffer from significant efficiency losses... Prior art solutions (US Patent 9,123,456; US Patent 10,234,567) provide basic tracking mechanisms but fail to account for atmospheric particulate interference.

Recommendations

- Conduct a thorough Freedom to Operate (FTO) search regarding the 'reinforcement learning algorithm' to ensure no overlap with existing AI patents.
- Monitor the prosecution history to ensure the 'micro-adjustments' range (+5 degrees) is not overly narrowed by the USPTO examiner.
- Verify that the cited prior art (US Patent 9,123,456) does not already cover the particulate interference sensors mentioned.



Legallens

AI-powered legal document analysis for students. Upload a contract, brief, or patent and get instant classification and clause extraction.

Powered by AI

Drop your legal document here
Supports .txt, .md, .doc, .rtf files • Or click to browse

Or try a sample document:

- Employment Contract
- Software License Agreement
- Patent Application Brief

Skills demonstrated

- NLP for legal text
- Document classification & extraction
- Legal data analysis
- Data cleaning & preprocessing



Real-world outcome

Students build legal AI tools similar to those used by law firms and legal tech platforms. It is a strong project for law and policy-focused applications.



Built with

- Python (scikit-learn, transformers)
- Legal datasets
- Data visualization



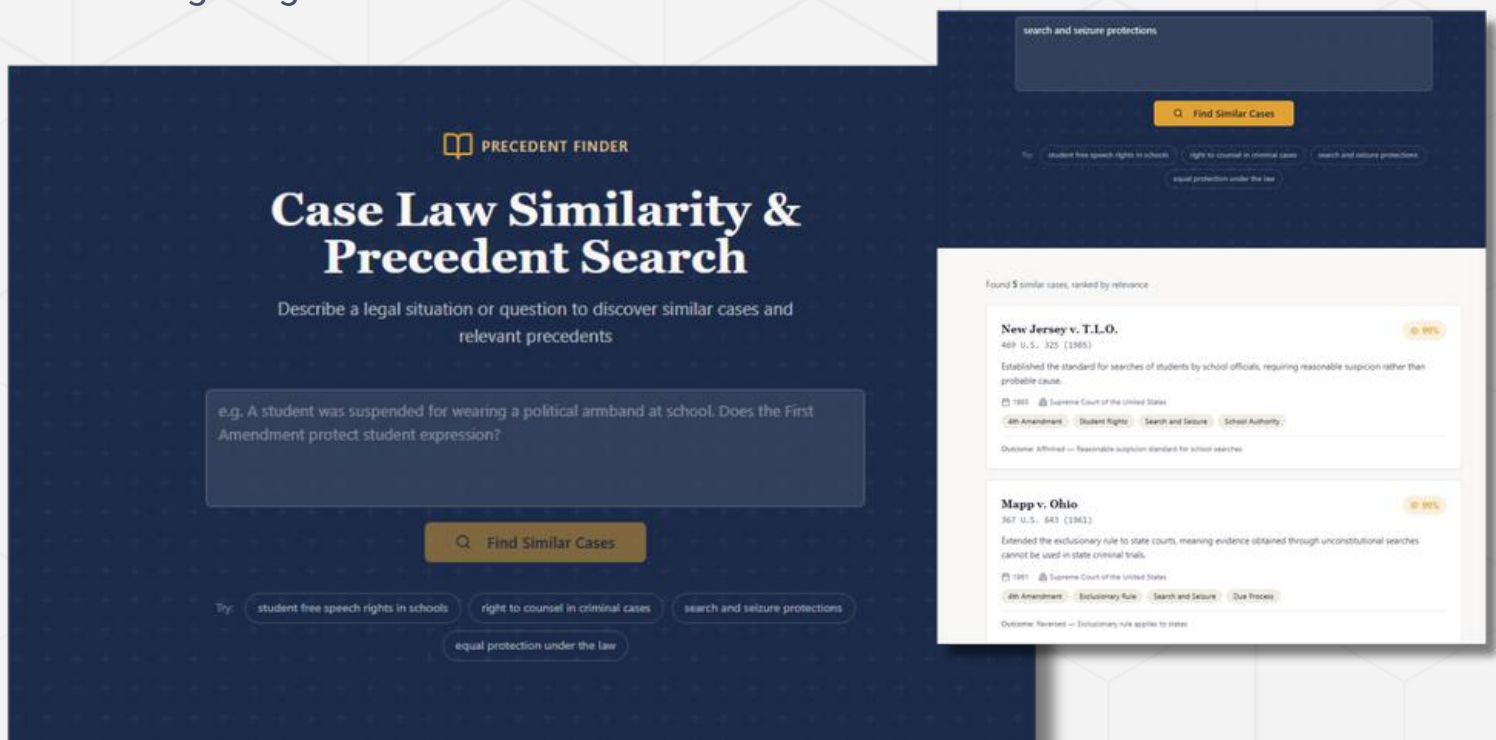
Your deliverable



Portfolio ready live project, white paper, and public GitHub repo

Case Law **Similarity and Precedent Finder**

A legal search engine that finds relevant cases and precedents based on case descriptions or questions. The same approach used by lawyers and legal platforms to support research and build stronger arguments.



Skills demonstrated

- Semantic search & information retrieval
- NLP for legal text
- Relevance ranking algorithms
- Legal research & data analysis






Real-world outcome

Students build legal research tools like those used by law firms and courts, showing you can solve real-world problems with data and AI.



Built with

-  Python (scikit-learn)
-  Case law datasets
-  Plotly Dashboard



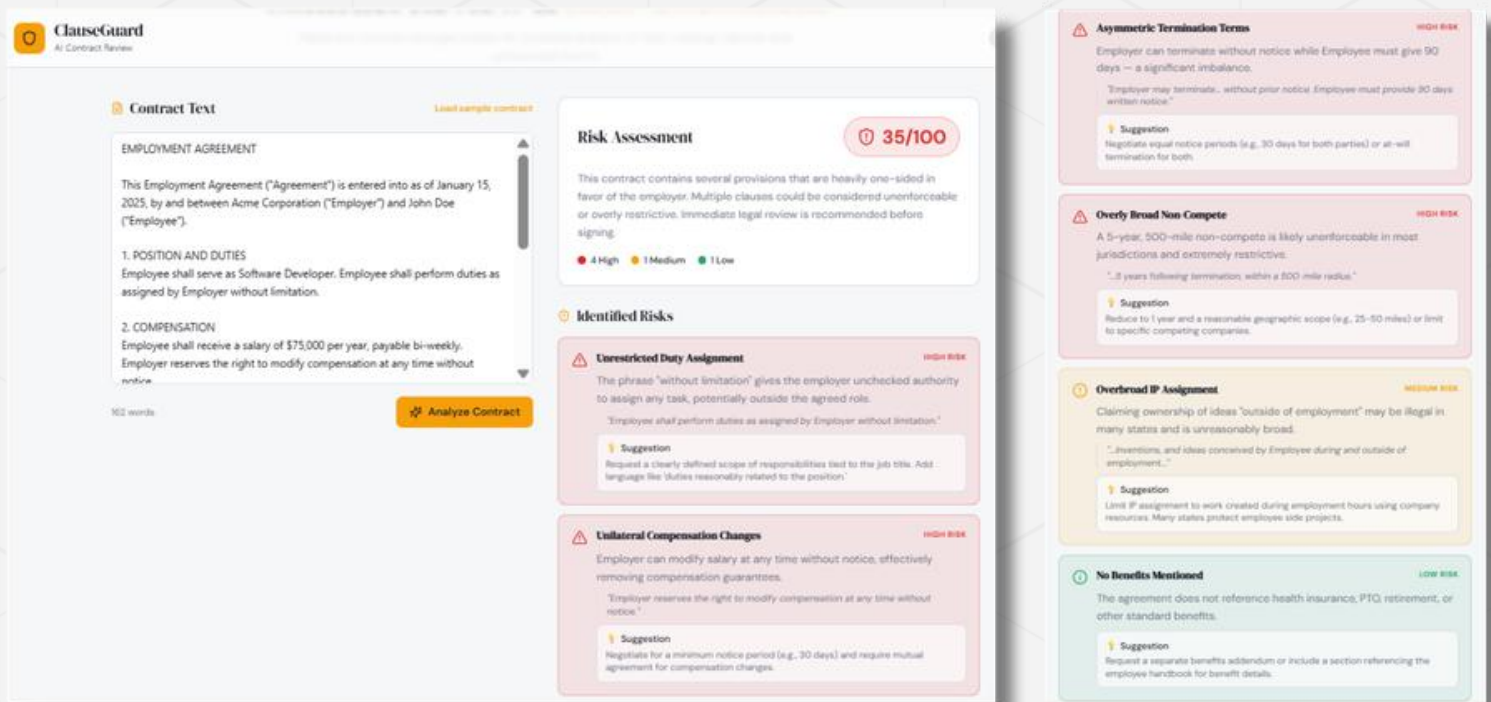
Your deliverable



Portfolio ready live project, white paper, and public GitHub repo

Contract **Review** and Risk **Assessment**

A contract analysis system that reviews agreements to detect risks, missing clauses, and unfavorable terms, with explainability features showing why issues are flagged.



ClauseGuard
AI Contract Review

Contract Text

EMPLOYMENT AGREEMENT

This Employment Agreement ("Agreement") is entered into as of January 15, 2025, by and between Acme Corporation ("Employer") and John Doe ("Employee").

1. POSITION AND DUTIES
Employee shall serve as Software Developer. Employee shall perform duties as assigned by Employer without limitation.

2. COMPENSATION
Employee shall receive a salary of \$75,000 per year, payable bi-weekly. Employer reserves the right to modify compensation at any time without notice.

Risk Assessment 35/100

This contract contains several provisions that are heavily one-sided in favor of the employer. Multiple clauses could be considered unenforceable or overly restrictive. Immediate legal review is recommended before signing.

4 High 1 Medium 1 Low

Identified Risks

Asymmetric Termination Terms HIGH RISK
Employer can terminate without notice while Employee must give 90 days — a significant imbalance.
Suggestion: Negotiate equal notice periods (e.g., 30 days for both parties) or at-will termination for both.

Overly Broad Non-Compete HIGH RISK
A 5-year, 500-mile non-compete is likely unenforceable in most jurisdictions and extremely restrictive.
Suggestion: Reduce to 1 year and a reasonable geographic scope (e.g., 25-50 miles) or limit to specific competing companies.

Unrestricted Duty Assignment HIGH RISK
The phrase "without limitation" gives the employer unchecked authority to assign any task, potentially outside the agreed role.
Suggestion: Required a clearly defined scope of responsibilities tied to the job title. Add language like "duties reasonably related to the position."

Unilateral Compensation Changes HIGH RISK
Employer can modify salary at any time without notice, effectively removing compensation guarantees.
Suggestion: Negotiate for a minimum notice period (e.g., 30 days) and require mutual agreement for compensation changes.

Overbroad IP Assignment MEDIUM RISK
Claiming ownership of ideas "outside of employment" may be illegal in many states and is unreasonably broad.
Suggestion: Limit IP assignment to work created during employment hours using company resources. Many states protect employee side projects.

No Benefits Mentioned LOW RISK
The agreement does not reference health insurance, PTO, retirement, or other standard benefits.
Suggestion: Request a separate benefits addendum or include a section referencing the employee handbook for benefit details.

Skills demonstrated

- NLP & legal text analysis
- Risk detection & scoring
- Explainable AI techniques
- Critical thinking in legal contexts






Real-world outcome

Students build contract analysis tools similar to those used by law firms and legal tech companies, a powerful "I built AI that identifies legal risk" story for applications.



Built with

-  Python (transformers/PyTorch)
-  Legal datasets
-  NLP & visualization



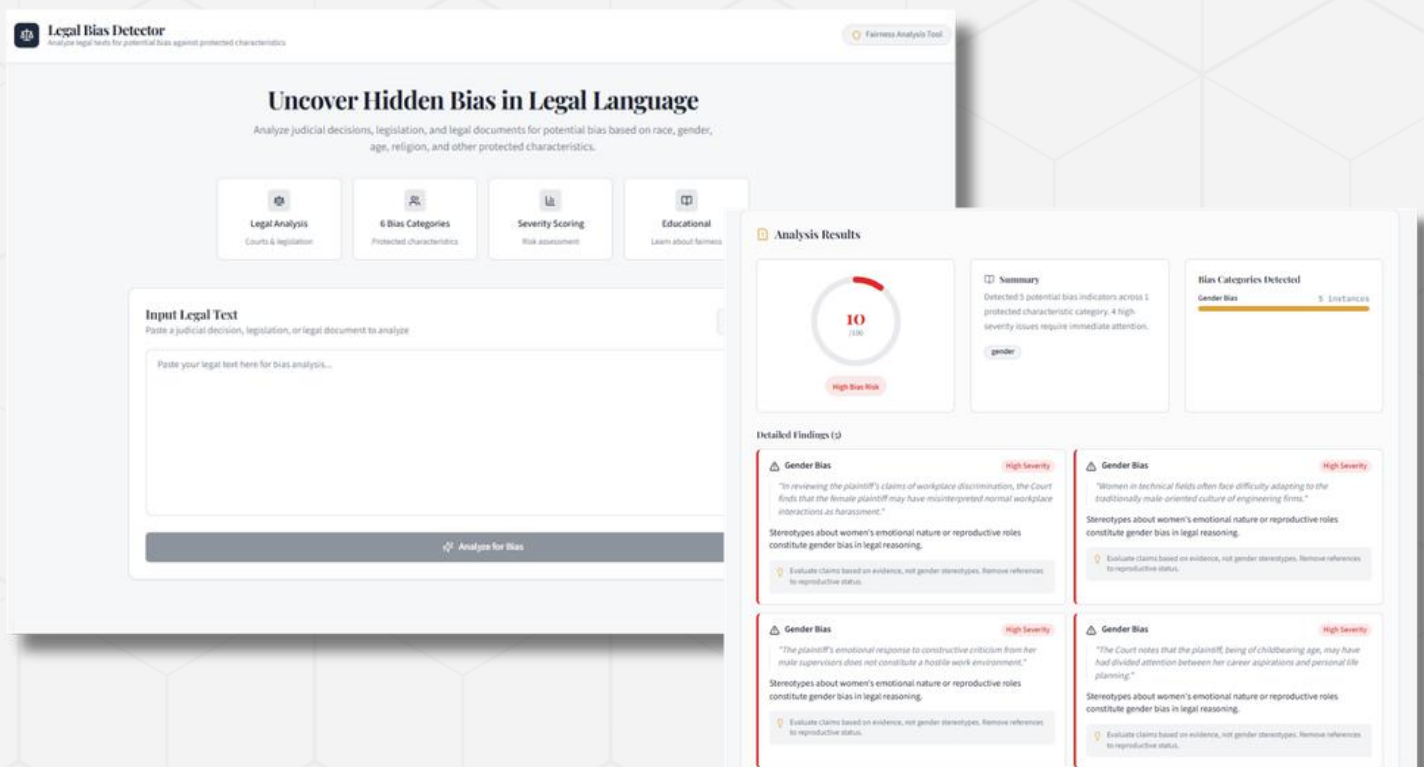
Your deliverable

Portfolio ready live project, white paper, and public GitHub repo



Bias Detection in Legal Texts

An advanced system that analyzes legal texts and court decisions to detect potential bias and visualize patterns across cases.



Skills demonstrated



- Fairness & bias detection in AI
- NLP for legal text analysis
- Statistical analysis & disparity measurement
- Ethical reasoning in AI systems




Real-world outcome



Students explore how AI can uncover bias in legal systems, a powerful project that shows both technical skill and ethical awareness on college applications.

Built with



-  Python (Scikit-learn/ Transformers)
-  Legal datasets
-  SPlotly Dashboard

Your deliverable



Portfolio ready live project, white paper, and public GitHub repo

Program Structure: AI Immersive (1:1)



AI Immersive offers **25 hours of 1:1 mentorship** from an industry expert. Most students complete it in **10-12 weeks**.

A Learning Experience Built Around You

- Learn at your own pace with flexible scheduling.
- All ages welcome - middle school through adult learners.
- Every skill level - from your first line of code to advanced projects.

THE JOURNEY



ONBOARDING & MENTOR MATCHING

We pair you with a mentor who aligns with your interests, timezone, and project goals. The kickoff includes orientation and an initial project discussion and brainstorming!



PERSONALIZED GOAL SETTING & CURRICULUM

Your mentor defines clear learning outcomes, maps weekly milestones, and builds a personalized curriculum tailored to your experience level.



FOUNDATIONAL LEARNING

Learn essential AI concepts, tools, and techniques through hands-on, mentor-guided sessions covering Python, Data Handling, and ML Model basics.



PROJECT BUILD

Apply your skills to develop a complete AI project with technical guidance, troubleshooting support, and iterative improvements from your mentor.



PRESENTATION & EXPERT REVIEW

Present your completed project for expert evaluation and receive detailed feedback with a roadmap for next steps.



REFERRAL LETTER & NETWORKING SUPPORT

Students who complete the program and complete the project receive a mentor-endorsed letter for college or internship applications.

Support Beyond Sessions

- ✉ After-hours email and chat support from mentors.
- 📱 Messaging, Scheduling Sessions via CrimsonApp.
- ⏸ Ability to Pause program during busy times (exam season etc).
- 🏠 Be part of Delta AI Discord Community.

Program Structure: AI Intensive (Cohort)



Five weekends. Two real AI projects.
One portfolio that sets you apart.

PROGRAM FORMAT

- 14 hours of live, instructor-led group learning
- 2 hours of exclusive 1:1 mentorship
- Unlimited Teaching Assistant support via Discord
- Demo Day showcase to close the program

THE JOURNEY



WEEK 1 | SET UP + SHIP YOUR FIRST AI APP

Set up Python and your development environment. Build and customize an AI chatbot. Publish your first project on GitHub.



WEEK 2 | EXPLORE AI + DEFINE YOUR PROJECT

Learn how AI processes language and images. Enhance your chatbot with new AI capabilities. Choose your interdisciplinary project topic.



WEEK 3 | REFINE + PREPARE

Improve your project with mentor feedback. Learn to present technical work clearly. Begin your 1:1 mentorship sessions.



WEEK 4 | BUILD YOUR AI PROJECT






Develop an AI tool in a field you care about. Work with mentors to build a functional prototype. Use real data and practical tools.







WEEK 5 | LAUNCH + DEMO DAY

Deploy your project as a live website. Finalize deliverables with mentor support. Present your work at Demo Day.

WHAT YOU'LL WALK AWAY WITH

-  Two AI projects aligned to your interests
-  Live website or shareable demo links
-  Public GitHub repos
-  Slide deck, demo video, and short white paper
-  Certificate of completion and mentor recommendation letter

Support Beyond Sessions

-  After-hours email and chat support from mentors.
-  Messaging, Scheduling Sessions via CrimsonApp.
-  Ability to Pause program during busy times (exam season etc).
-  Be part of Delta AI Discord Community.



Ready to Build Your Own **AI x Law Project?**



REGISTER YOUR INTEREST

Hayato M.

Delta AI Immersive Alumni, Project: **Neural Fold**

"I never thought I could create a project that **integrates my culture and AI**. This experience has opened new doors for me."



Aysel B.

Delta AI Intensive Alumni, Project: **Nananet Chatbot**

"The Delta AI program was an **incredible experience fast-paced, engaging, and perfectly structured**. I loved how each session built on the previous one, **making even complex AI concepts feel achievable.**"



Learn from the best!



Not into Law?
Explore AI projects in other fields too.

Business | Finance

Music | Fine Arts

Mechanical Engineering

Environment | Sustainability

Biology | Medicine

And Many More!!