

Ready to build an AI project for smarter business decisions?



From predicting customer behavior to optimizing pricing and strategy, AI is reshaping how businesses operate and make smarter decisions.

With expert mentors from global tech companies, students build real AI tools for business and data-driven decisions.



Why Delta AI?



OUTCOMES

- ➔ A standout project for your college application**
Admissions officers value depth and initiative. An AI project focused on business and strategy shows both clearly.
- ➔ A meaningful academic story tied to your passion**
Build a project worth writing about, talking about, and proudly presenting.
- ➔ Real skills that set you apart**
Build AI and data skills for careers in business, strategy, and analytics
- ➔ Inspired by real-world business innovation and strategy**
Work on ideas used by real researchers and 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?



Pre-business and business-oriented students



Students aiming for top college applications



Both beginner and advanced learners

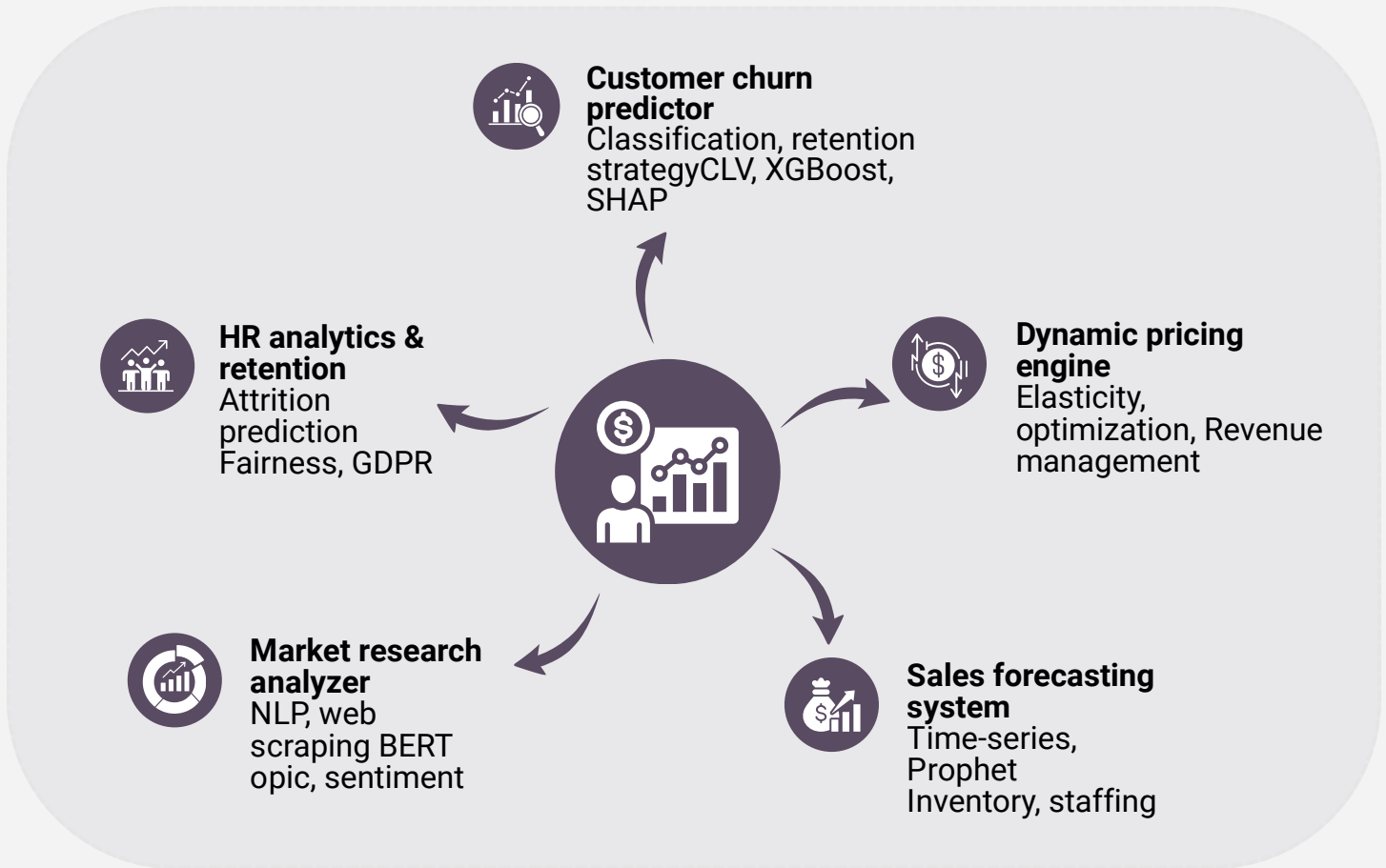


Students looking for 1:1 or cohort mentorship

Applications of AI in Business



AI is reshaping how modern businesses operate.



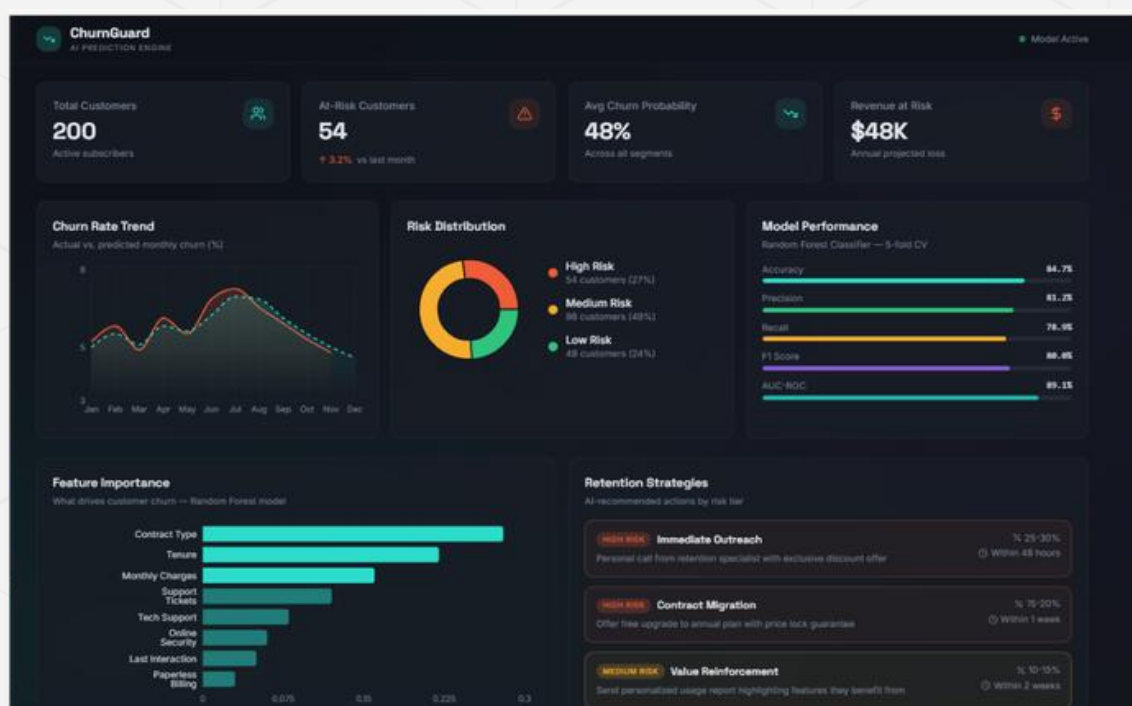
See portfolio-ready AI x Business projects students build with Delta AI



Project Gallery

Customer Churn Predictor

A portfolio analytics tool that tracks stock holdings, evaluates returns, and analyzes risk to understand performance over time. The same kind of analysis used in investment research, wealth management, and financial technology.



Skills demonstrated

- Machine learning for classification (logistic regression, random forest, XGBoost)
- Feature engineering & data preprocessing
- Model evaluation
- Business analytics & customer behavior analysis



Real-world outcome

A fully functional churn prediction system that identifies at-risk customers, segments them by retention risk, and provides data-driven insights to support smarter customer engagement and retention decisions.



Built with

- Python
- Pandas & NumPy
- Scikit-learn / XGBoost
- Matplotlib / Plotly
- IBM Telco or Kaggle churn datasets



Your deliverable

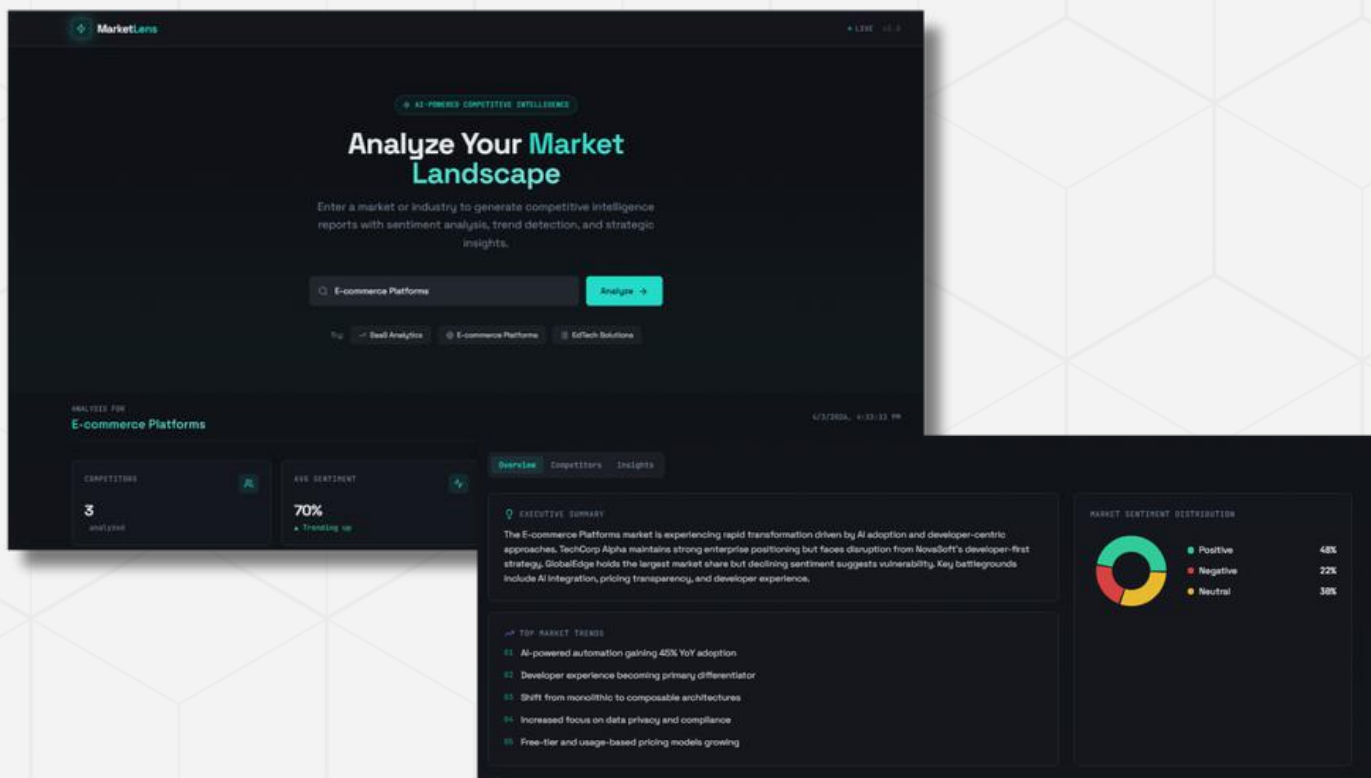
Portfolio ready live project, white paper, and public GitHub repo



Project Gallery

Market **Research** & Competitor **Analyzer**

An AI market research tool that analyzes competitor data using NLP to generate insights, mirroring real-world competitive intelligence platforms.



Skills demonstrated

- Natural language processing (NLP)
- Topic modeling & text summarization
- Sentiment analysis
- Data analysis & insight generation
- Competitive intelligence & strategic thinking



Real-world outcome

A practical competitive intelligence tool that helps businesses monitor competitors, analyze market trends, and make more informed strategic decisions based on real-time data insights.



Built with

- Python
- BeautifulSoup / Scrapy
- BERTopic / LDA
- Pandas & NumPy
- Plotly / Streamlit



Your deliverable

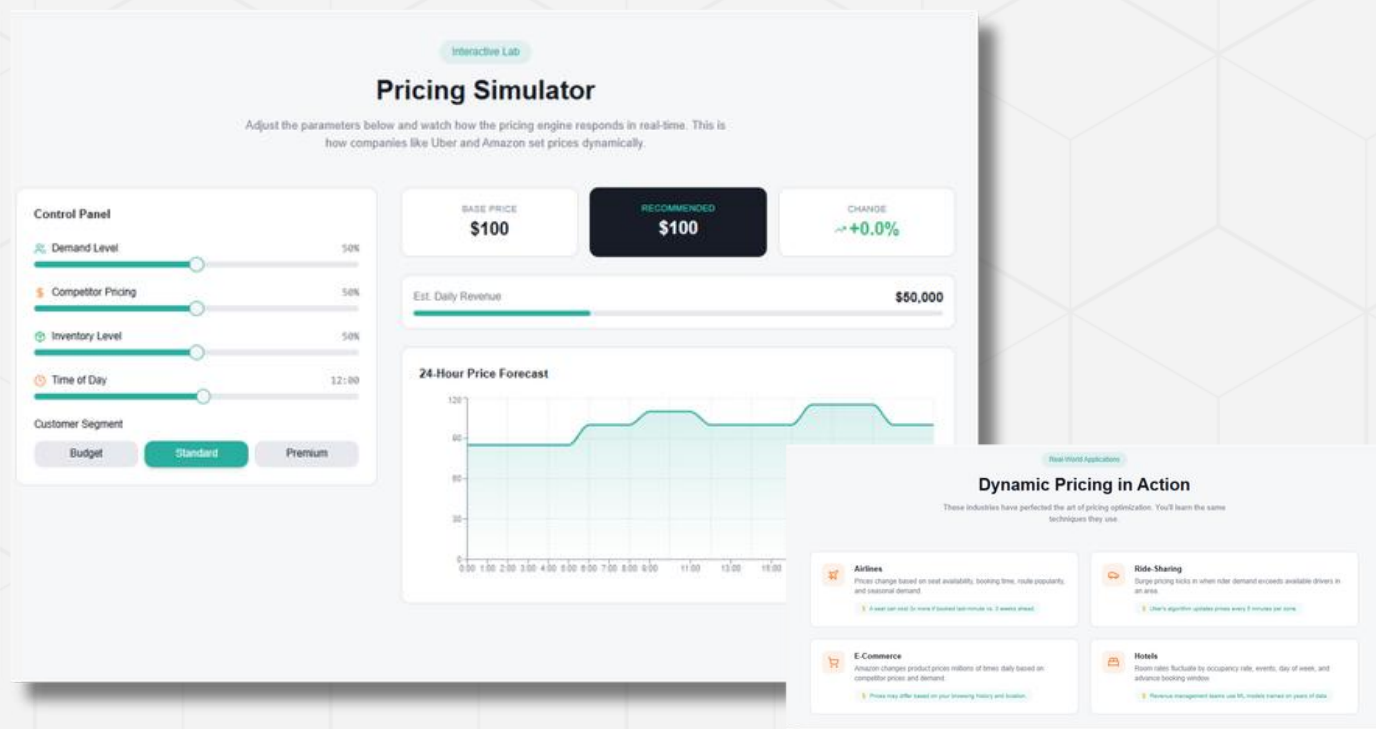
Portfolio ready live project, white paper, and public GitHub repo



Project Gallery

Dynamic Pricing Engine

A dynamic pricing AI that analyzes demand, competitor prices, and market conditions to optimize product pricing and maximize revenue, similar to systems used in airlines, hotels, and e-commerce platforms.



Skills demonstrated



- Regression modeling & demand forecasting
- Price elasticity analysis
- Competitive pricing analysis
- Simulation & scenario modeling
- Business strategy & revenue management

Real-world outcome



An interactive pricing dashboard that monitors demand, competitor prices, and inventory levels, then recommends optimal price changes to maximize revenue under changing market conditions.

Built with



- Python
- Scikit-learn
- SciPy
- Matplotlib / Plotly
- Historical sales and pricing datasets

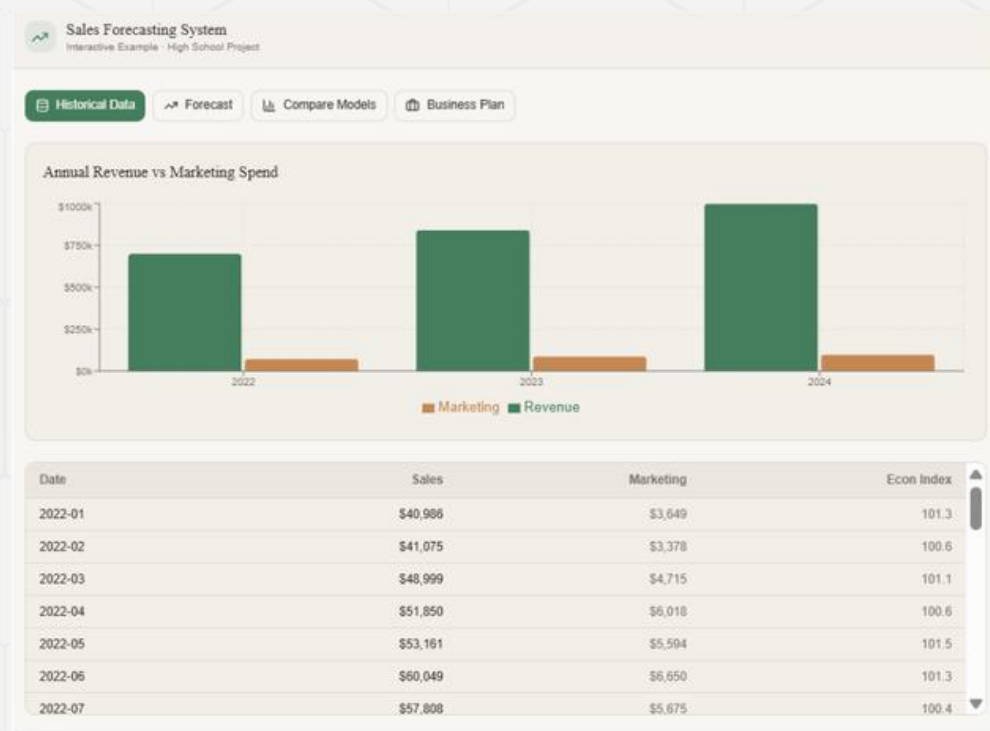
Your deliverable



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

Business Sales **Forecasting System**

A sales forecasting AI that analyzes historical data, seasonality, and external factors to predict future revenue and support business planning, similar to tools used in retail, supply chain, and financial planning.



Skills demonstrated

- Time-series analysis & forecasting
- ARIMA, Prophet, and ML-based models
- Data analysis & feature engineering
- Forecast evaluation (MAE, RMSE, MAPE)
- Business planning & operational strategy



Real-world outcome

A forecasting system that predicts future sales and helps businesses optimize inventory, staffing, and budgeting decisions with data-driven insights.



Built with

- Python
- Statsmodels (ARIMA, exponential smoothing)
- Prophet
- TensorFlow
- Matplotlib / Plotly



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 with clean READMEs
-  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 Business 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 Business?
Explore AI projects in other fields too.

Medicine | Biology

Music | Fine Arts

Mechanical Engineering

Environment | Sustainability

Law | Public Policy

And Many More!!