Ready to build an AI project at the intersection of **psychology and human behavior**?

Delta Launch

From **emotion detection and CBT chatbots to personality science and depression risk modeling,** AI is changing how researchers study the mind, therapists treat patients, and students understand human behavior.

With expert mentors from global tech companies, students build real AI tools at the intersection of **psychology, mental health, behavior, and technology.**

TESLA NVIDIA Google

Why Delta AI?

OUTCOMES

A standout project for your college application

Admissions officers look for curiosity and depth. An AI project exploring the science of the mind shows both.

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

Learn the AI and data skills behind careers in psychology, neuroscience, and behavioral research.

Inspired by real innovation in psychology, neuroscience, and human behavior

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.

Google Microsoft NVIDIA TESLA

Who Is This Built For?

Pre-med, pre-psych & mind-and-behavior students

Students aiming for top college applications

Both beginner and advanced learners

Students looking for 1:1 or cohort mentorship

Applications of **AI in Psychology**

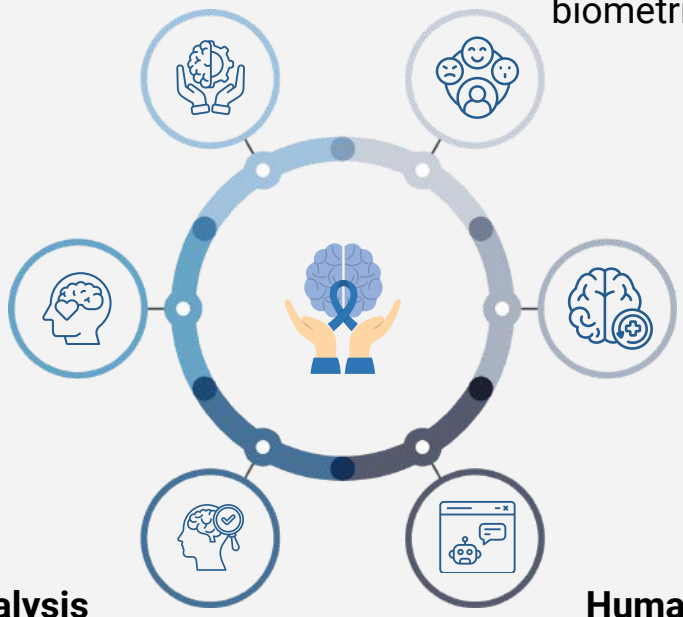
Delta Launch

AI × **Psychology** — six domains

AI is transforming how we understand the human mind from research to real-world impact.

Cognitive modeling
Memory, reasoning, decisions

Emotion AI
Face, voice, biometric signals



Mental health support
Therapy bots, mood tracking

Neuroscience & BCI
Neural decoding, brain interfaces

Behavioral analysis
Profiling, prediction, patterns

Human-AI interaction
Trust, UX, social agents

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

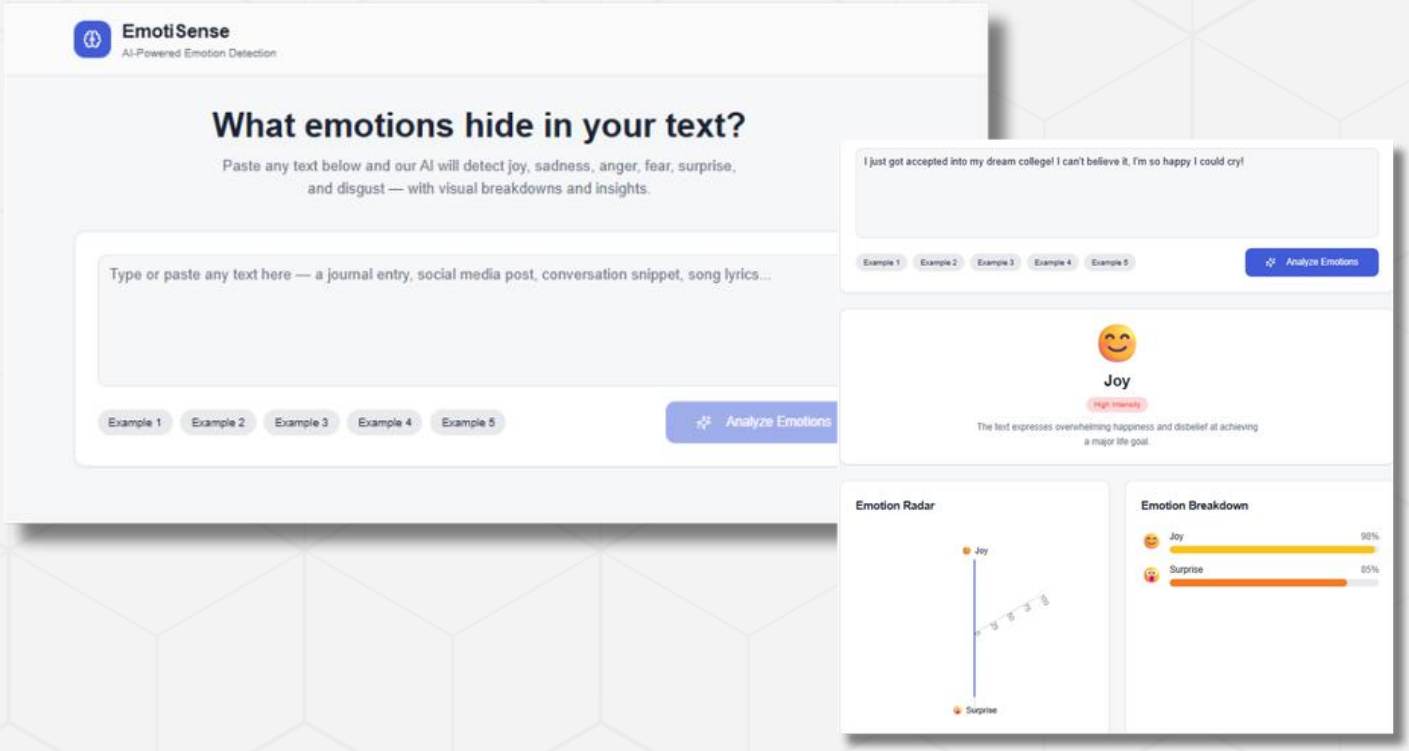
AI INTENSIVE

Project Gallery

Delta Launch

Emotion **Detection and Analysis**

A machine learning tool that analyzes text and classifies emotions by pattern. The same kind of analysis used in psychology research, behavioral science, and mental health technology.



Skills demonstrated

- Emotion analysis with NLP
- Text data processing
- ML classification
- Feature extraction techniques

Real-world outcome

Students build the same type of emotion analysis tools used in psychology research, mental health technology, and behavioral analytics. A strong project for any pre-psych or mind-and-behavior-focused application.

Built with

- Python
- Scikit-learn
- NLP libraries (NLTK / spaCy)
- TensorFlow or PyTorch

Your deliverable

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

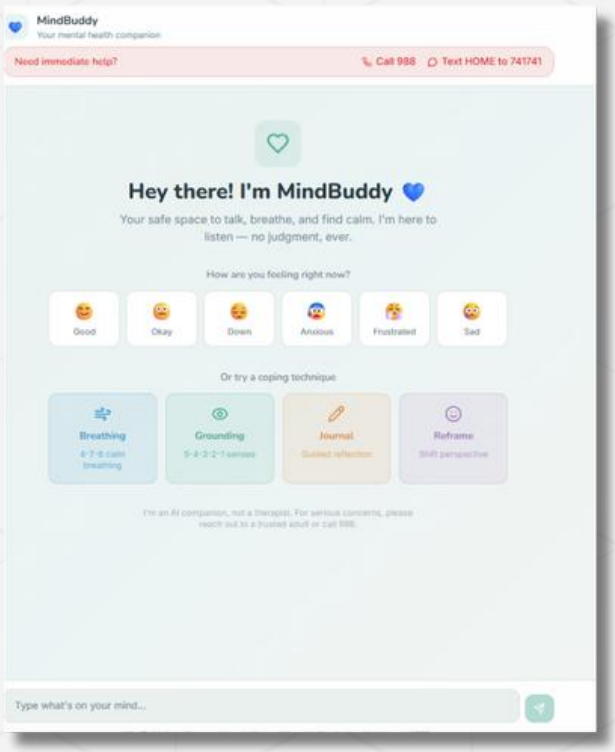
AI INTENSIVE

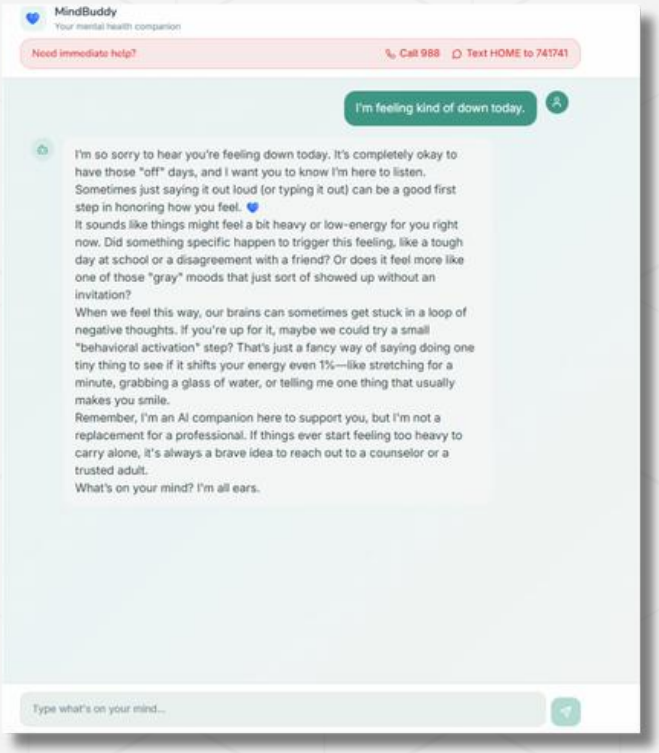
Project Gallery

Delta Launch

Mental Support **Chatbot**

A conversational AI tool that recognizes distress signals in text and responds with supportive, evidence-based coping strategies. The same kind of technology used in mental health support tools, digital wellness platforms, and behavioral health applications.





Skills demonstrated

- Conversational AI design
- Distress signal detection
- Crisis keyword detection
- CBT-informed chatbot logic
- Therapeutic communication design
- Mental health resource mapping

Real-world outcome

Students build the same type of AI chatbot systems used in mental health apps, digital therapy platforms, and wellness tools. A strong project for any pre-psych, mental health, or human-centered AI application.

Built with

- Python (such as Scikit-learn / Streamlit)
- NLP libraries (spaCy / NLTK)
- TensorFlow or PyTorch
- Dialogflow / Rasa

Your deliverable

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

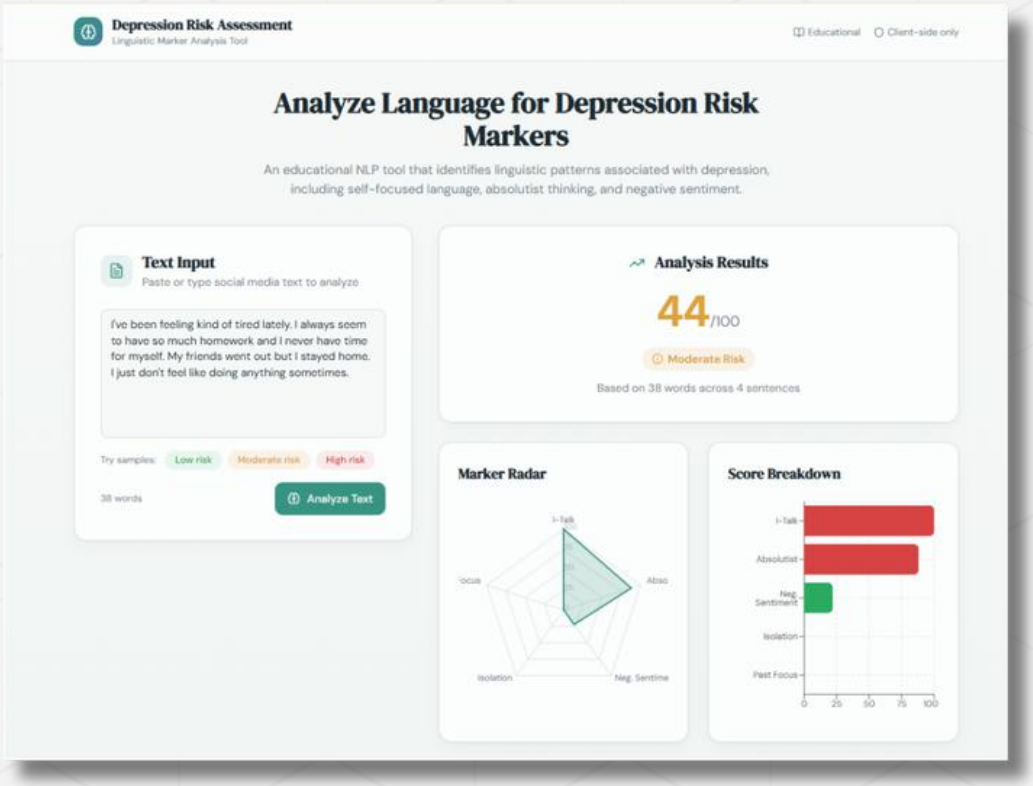
AI IMMERSIVE

Project Gallery

Delta Launch

Depression Risk Assessment from **Social Media Language**

A machine learning tool that analyzes social media text for language patterns linked to depression risk. The same kind of analysis used in mental health research, digital screening tools, and behavioral health technology.



Skills demonstrated

- Depression risk analysis
- Advanced NLP
- Deep learning classification
- Mental health research application

Real-world outcome

Students build the same type of depression risk analysis systems used in mental health research, digital screening tools, and public health monitoring. A strong project for any pre-psych, neuroscience, or mental health–focused application.

Built with

- Python
- Transformers (BERT via Hugging Face)
- PyTorch or TensorFlow
- NLP libraries (spaCy / NLTK)

Your deliverable

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

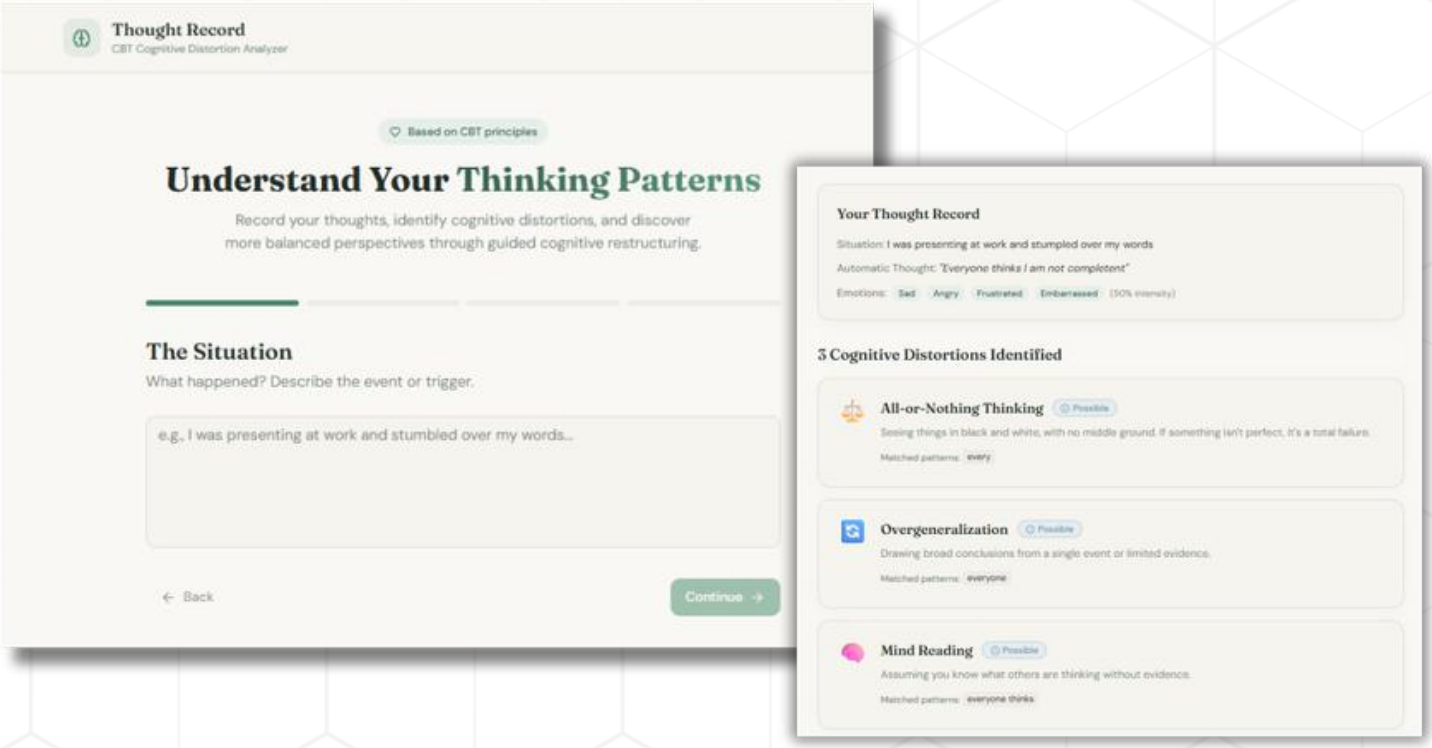
AI IMMERSIVE

Project Gallery

Delta Launch

Cognitive Behavioral Therapy (CBT) **Thought Record Analyzer**

A machine learning tool that identifies cognitive distortions in text and suggests more balanced alternative perspectives. The same kind of technology used in CBT-based mental health tools, digital therapy platforms, and wellness applications.



Skills demonstrated

- Cognitive distortion detection
- Multi-label text classification
- NLP for thought analysis
- Explainable AI methods
- CBT-informed system design

Real-world outcome

Students build the same type of cognitive restructuring tools used in CBT-based mental health apps, digital therapy platforms, and wellness technologies. A strong project for any pre-psych, mental health, or human-centered AI application.

Built with

- Python
- Scikit
- LIME / SHAP
- Streamlit

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.**

Delta Launch

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.

Delta Launch

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 Psychology 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."

★★★★★

Ajsel 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!

Google
NVIDIA
Microsoft
TESLA

Not into Psychology? **Explore AI projects in other fields too.**

- **Business | Finance**
- **Music | Fine Arts**
- **Mechanical Engineering**
- **Environment | Sustainability**
- **Law | Public Policy**
- **And Many More!!**