

# Ready to build an AI project for **smarter economic insights and decision-making?**



From **modeling economic trends** to **analyzing policy impacts** and forecasting growth, AI is transforming how we understand economies and make smarter decisions.

With expert mentors from global tech companies, students build real AI tools for economic analysis and data-driven decision-making.



## Why Delta AI?



### OUTCOMES





- ➔ A standout project for your college application**  
Admissions officers value depth and initiative. An AI project focused on economics and policy 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 economics, policy, and analysis.
- ➔ Inspired by real-world economic trends and policy challenges.**  
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

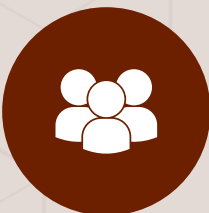
#### Students receive:

-  **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

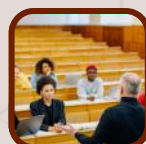
Students work with mentors from leading tech companies driving the AI revolution.



## Who Is This Built For?



Pre-economics and economics-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 Economics

AI is driving innovation in **economic research and policy**.



## Price & Monetary Dynamics

Inflation tracking, purchasing power, interest rates, monetary policy, cost of living analysis



## Labor & Employment Systems

Unemployment modeling, wage analysis, workforce participation, automation impact, gig economy research



## Inequality & Social Welfare

Income distribution, poverty measurement, wealth gaps, tax & transfer policy, welfare economics



## Economic Growth & Forecasting

GDP modeling, recession prediction, leading indicators, national accounts, development economics



## Trade & Global Integration

International trade flows, globalization impact, supply chain analysis, comparative advantage, regional economic effects



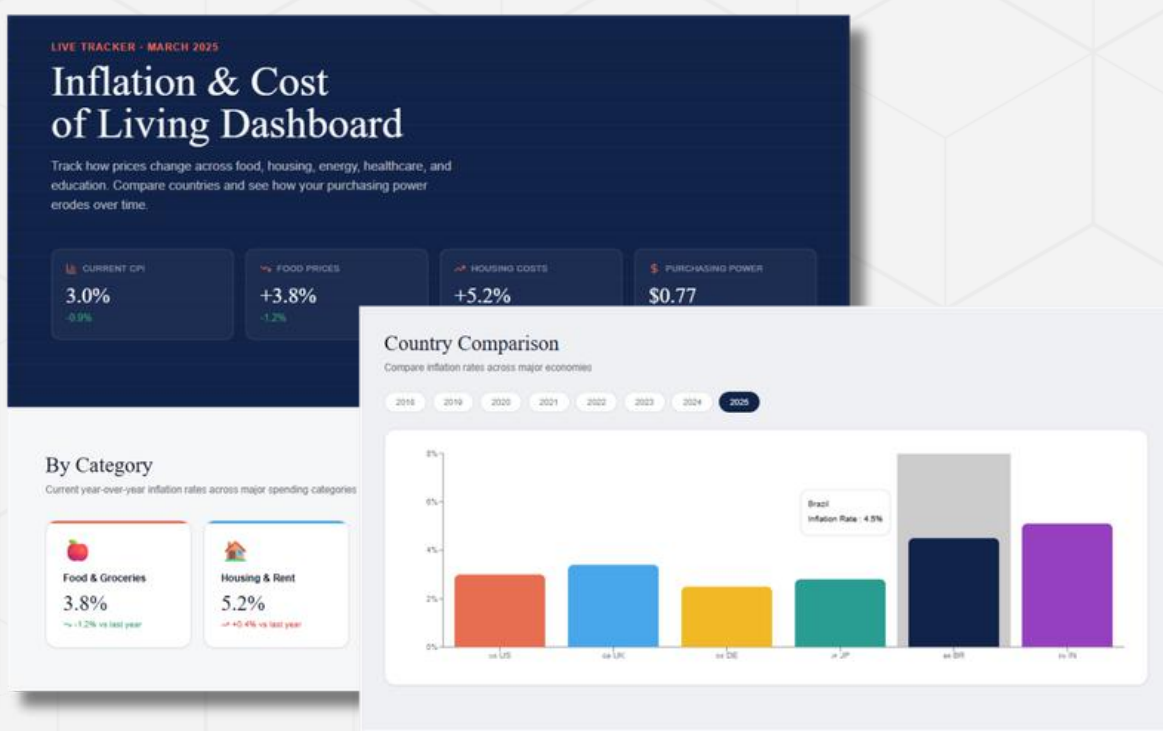
See portfolio-ready AI x Economics projects students build with Delta AI



# Project Gallery

## Inflation & Cost of Living Tracker

An interactive inflation and cost of living tracker that uses real economic data to show how prices change over time across essentials like food, housing, energy, and healthcare, helping users compare countries, measure purchasing power, and understand real-world inflation trends.



### Skills demonstrated

- Interactive dashboards
- Time-series analysis
- Macroeconomic analysis
- CPI/inflation modeling
- Cross-country comparison



### Real-world outcome

A fully functional inflation and cost of living tracker that monitors price changes across essential categories, compares inflation trends across regions, measures purchasing power over time, and provides data-driven insights to support smarter budgeting, planning, and economic decision-making.



### Built with

- Python, Pandas, NumPy
- BLS API
- OECD/FRED data
- Plotly/Matplotlib
- Streamlit/Dash



### Your deliverable

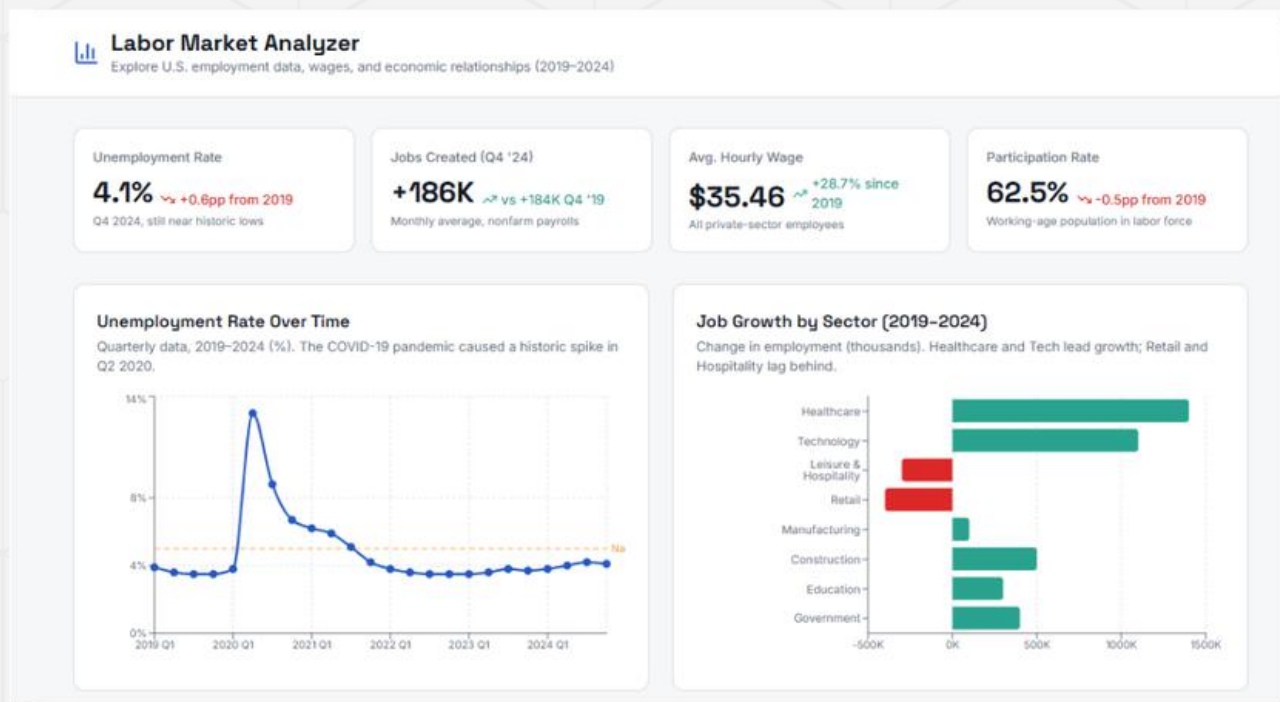


Portfolio ready live project, white paper, and public GitHub repo

# Project Gallery

## Labor Market & Unemployment Analyzer

Labor market analytics platform that monitors unemployment, hiring trends, wages, and labor force participation, delivering data-driven insights to evaluate workforce conditions, economic health, and changing employment opportunities over time.



### Skills demonstrated

- Labor market analysis
- Economic trend interpretation
- Workforce planning insights
- Unemployment and wage analysis
- Sector performance evaluation
- Policy and macroeconomic thinking



### Real-world outcome

A fully functional labor market analytics platform that helps businesses, policymakers, and researchers track employment trends, assess workforce conditions, identify growing and declining sectors, and make smarter economic and hiring decisions.



### Built with

- Python
- Data wrangling
- Economic data APIs
- Regression analysis



### Your deliverable

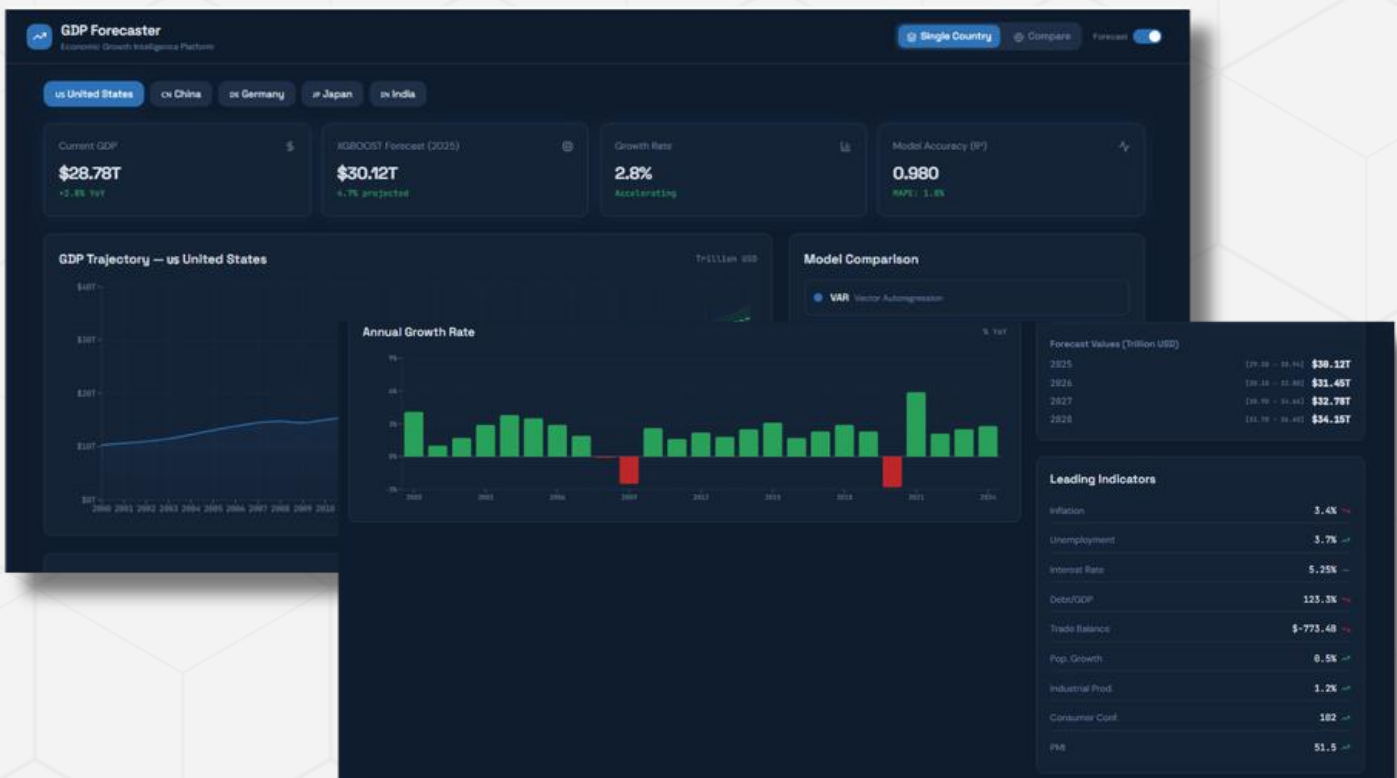


Portfolio ready live project, white paper, and public GitHub repo

# Project Gallery

## GDP & Economic Growth Forecaster

A GDP forecasting AI that analyzes economic indicators, historical trends, and market conditions to predict future growth and recession risk, similar to systems used by governments, central banks, investment firms, and economic research institutions.



### Skills demonstrated

- Economic forecasting
- Macroeconomic trend analysis
- Growth driver evaluation
- Cross-country economic comparison
- Policy and market insight generation



### Real-world outcome

AI Forecaster that supports investors, and businesses in forecasting economic growth, assessing recession risk, planning investments, and making smarter strategic decisions using data-driven macroeconomic insights.



### Built with

- Python, FRED API
- OECD data,
- Pandas, NumPy,
- Scikit-learn,
- TensorFlow/Keras



### Your deliverable

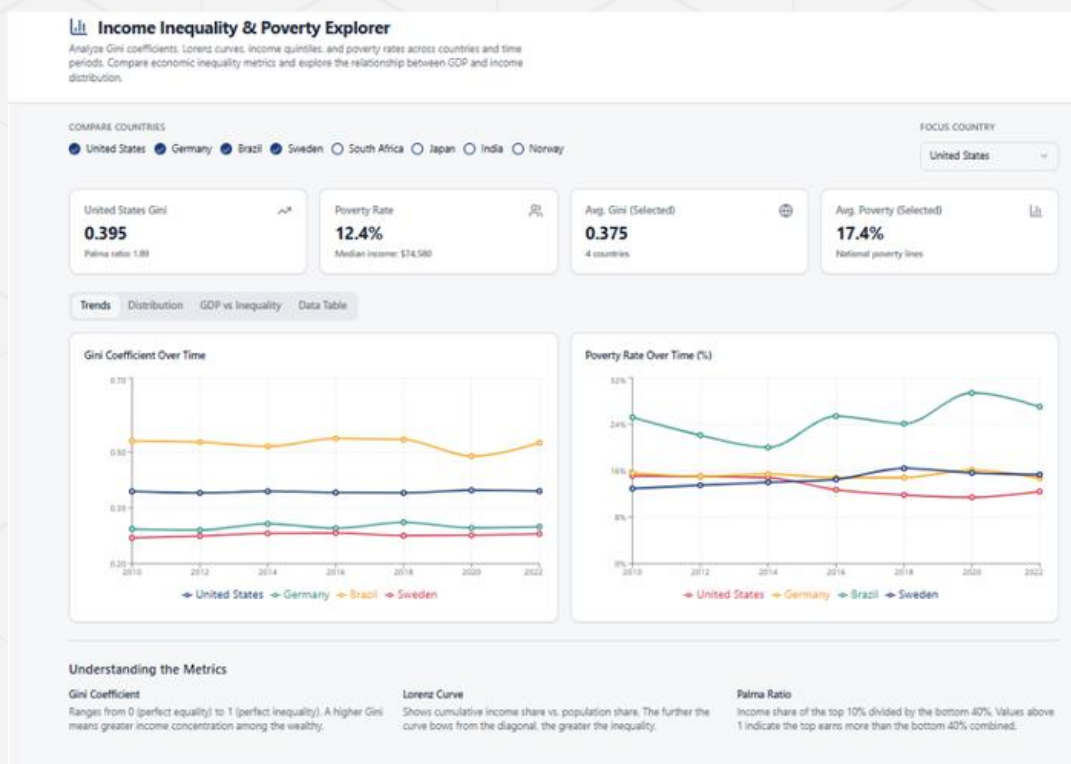


Portfolio ready live project, white paper, and public GitHub repo

# Project Gallery

## Income Inequality & Poverty Data Explorer

An income inequality and poverty analytics platform that analyzes income distribution, poverty trends, and economic disparities across countries, delivering data-driven insights to support policy evaluation, social research, and inclusive economic decision-making.



### Skills demonstrated

- Income inequality analysis
- Poverty trend evaluation
- Socioeconomic data interpretation
- Policy impact assessment
- Welfare economics thinking



### Real-world outcome

A fully functional analytics platform which helps NGOs, researchers, and policymakers measure inequality, monitor poverty levels, evaluate social policies, and make informed decisions to promote inclusive economic growth.



### Built with

- Python
- OECD data
- Scikit-learn
- Plotly/Matplotlib
- Streamlit/Dash



### 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

Paired with a mentor who fits your interests, timezone, and goals.



#### PERSONALIZED GOAL SETTING & CURRICULUM

Your mentor maps milestones and builds a curriculum for your level.



#### FOUNDATIONAL LEARNING

Python, data handling, and ML basics through hands-on sessions.



#### PROJECT BUILD

Build your AI project with guidance and iterative feedback.



#### PRESENTATION & EXPERT REVIEW

Present your work. Get feedback and a roadmap for next steps.



#### REFERRAL LETTER & NETWORKING SUPPORT

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 Economics 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!**



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

Medicine | Biology

Music | Fine Arts

Mechanical Engineering

Environment | Sustainability

Law | Public Policy

**And Many More!!**