



Delta Code Intensive

Cohort learning on weekends to **build portfolio-ready coding projects**



Through Delta Institute, our students don't just learn about technology and leadership—they build it as they create real-world projects that demonstrate initiative, technical skill, and impact.

Here are the results of acceptances from our past Delta Institute alumni:



Admissions Impact

4300+

Students enrolled in our programs

1000+

Successful admissions to top universities

15+

Programs in diverse industries



UPenn



Yale



Brown



Cornell



Stanford



UCLA



LSE



King's College London



Northeastern



Northwestern



NYU



Imperial College London



Cambridge

Hear directly from our students!



www.deltainstitute.co/testimonials

"This was a valuable experience! The mentors guided me through every challenge I faced, helping me successfully complete my AI project based on music."

SORA IHARA

Delta AI Alumni

"My favorite part was being able to create my own project based on my interests. I also really appreciated the support in making slides, understanding how coding works, and learning how AI is applied in projects."

RIO MURAKATA

Delta AI Alumni

More testimonials: [Delta Spotlight Series](#)

www.deltainstitute.co



Meet the **Industry Experts**

Have the opportunity to work with and hear from **real developers at leading institutions and companies.**

Mentors you could work with



Shubham

Software Engineer at Huawei

Experience at Samsung & Microsoft



Marc

Research Assistant at NUS & AI Researcher

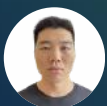
Experience in NLP and ML pipelines



Parag

VP Senior Programmer Analyst at CitiBank

Full-Stack Developer & Product Manager



Carson

Software Engineering at Apple



Brinda

Data Scientist at Microsoft, LLM & AI Specialist



Awad

Staff Software Engineer at Tesla

Students are guided by industry mentors to build and apply coding solutions to real-world challenges.





Why Choose Delta Code Intensive

The 6-week Delta Code Intensive program offers fast-paced, cohort-based learning with hands-on projects, 1:1 mentorship, and expert guidance from industry engineers. Students build real-world coding applications, strengthening their problem-solving skills and technical foundations through practical, project-driven learning.



**Structured
cohort learning
with clear
milestones**

Learn alongside a cohort in a guided program with weekly sessions, hands-on builds, and defined project milestones from start to Demo Day



**Weekend
cohort schedule
for busy school
weeks**

Work in live 'build-sessions' that hones in on your practical skills in coding



**Expert mentors
from Microsoft,
Google, and
CitiBank**

Masterclasses from real developers and other industry professionals



**Portfolio ready live
project and public
GitHub repo**

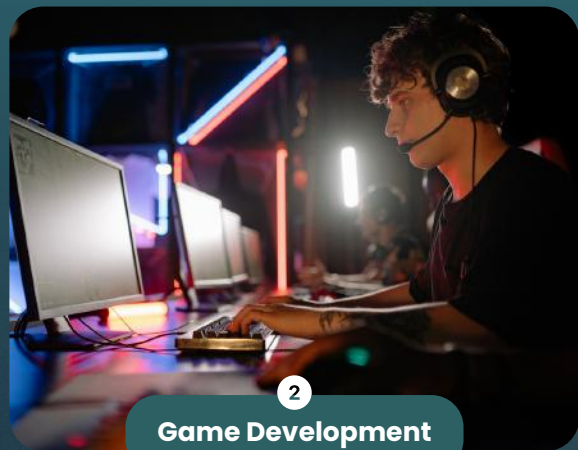
Pathway Options

Pick a pathway—**web, app, game, or data science**—and turn your passion into a portfolio-ready project.



1 Web Development

Build responsive, real-world websites using modern front-end and back-end tools.



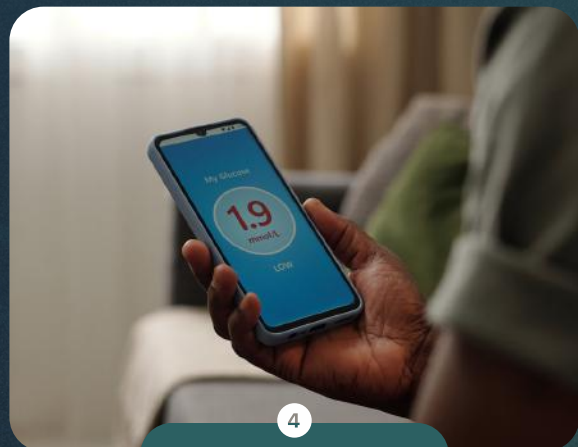
2 Game Development

Design and build playable games while learning logic, mechanics, and interactive systems.



3 Data Science

Analyze real datasets to uncover patterns, insights, and data-driven decisions.



4 App Development

Create functional apps that solve real problems, from concept to working product.

What You Will Achieve

A 6-week, weekend cohort where you learn core coding skills together, then build two real projects with guided feedback. You also receive complimentary 1:1 mentor time for targeted support.

Who This Is For

Ambitious high school students who want structured, social learning and tangible outcomes that strengthen university applications and interviews.



Weekend cohort
classes for 6 weeks



Small groups with
dedicated instructor
and teaching
assistants



Complimentary 1:1
mentor hours
scheduled flexibly



Discord community
for Q&A and peer
support



Demo Day showcase
at the end

How Mentoring Works

Learn With a Cohort, **Build With a Mentor**

The Intensive pairs two kinds of mentoring into **one 6-week sprint**. You learn alongside a **small cohort in expert-led weekend workshops**, then get **1:1 time with a senior engineer** to sharpen the project only you are building.

Multiple Experts, One Dedicated Mentor



Each workshop is led by a different specialist based on the topic being covered.

A lead mentor oversees the cohort throughout to keep everything connected. Then in Weeks 5 and 6, each student is paired with their own 1:1 mentor from companies like **Google or Amazon for dedicated sessions** focused on refining their independent project.

How the Two Formats **Work Together**



Weeks 1 to 4 are cohort-driven

- Live weekend workshops led by industry professionals covering coding fundamentals, hands-on builds, and advanced topics.
- You learn by doing alongside peers, which builds momentum fast and gives you a support network from day one.
- The small group size (6:1 ratio) means no one gets left behind.



Weeks 5 and 6 shift focus to your independent project

Your dedicated 1:1 mentor helps you troubleshoot, optimize, and prepare your project for Demo Day.

Your 6-Week Plan

Six weekends. A functional coding projects.
One portfolio that sets you apart.

Program Format

- 12 live, instructor-led group learning sessions
- 3 exclusive 1:1 mentorship sessions
- **Unlimited Teaching Assistant support via Discord**
- **Demo Day showcase** to close the program

1

Foundations of Programming

Week 1-2

- Introduction to **Programming**
- Problem-Solving with **Code**
- Introduction to **Version Control (Git & GitHub)**
- Structured **Programming & Debugging**

2

Specialization in Selected Pathway

Week 3-4

- Introduction to **Web Development, App Development, Game Development, Data Science /Analytics**
- Interactive **Web Components**
- Introduction to **Backend Development**
- Connecting **Frontend with Backend**

4

Launch + Demo Day

Week 5-6

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

Outcome: A live, **portfolio-ready AI project.**

3

Project Development & Presentation

Week 5-6

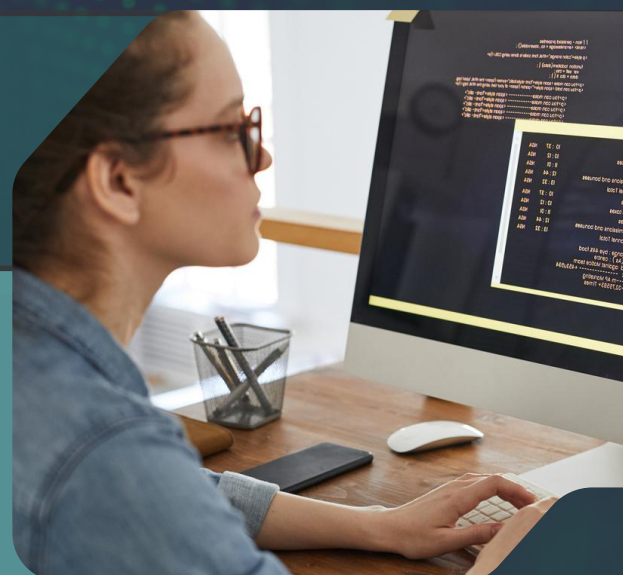
- Project **Ideation & Planning**
- **1:1** mentorship sessions
- **Technical Documentation** & Best Practices
- Project **Development & Refinement**
- Demo Day – **Project Presentations**

What You Walk Away With

-  Functional Project in Web, App, or Game Development
-  Technical Report & Documentation
-  Slide Deck for Presentation

Additional Program Features

-  Online Community
-  Dedicated Teaching Assistant
-  One-on-One Mentorship
-  Certificate of Completion





Khalid A.

TOOLS USED & SKILLS GAINED

Technical Skills:

- **React Native** multi-screen architecture
- **Form validation** and **field constraints**
- **JSON** data schemas and local storage
- **Live search** and **multi-criteria filtering**
- Optimistic **UI updates**
- Device camera and **photo library integration**

MENTORS FROM citibank

Background

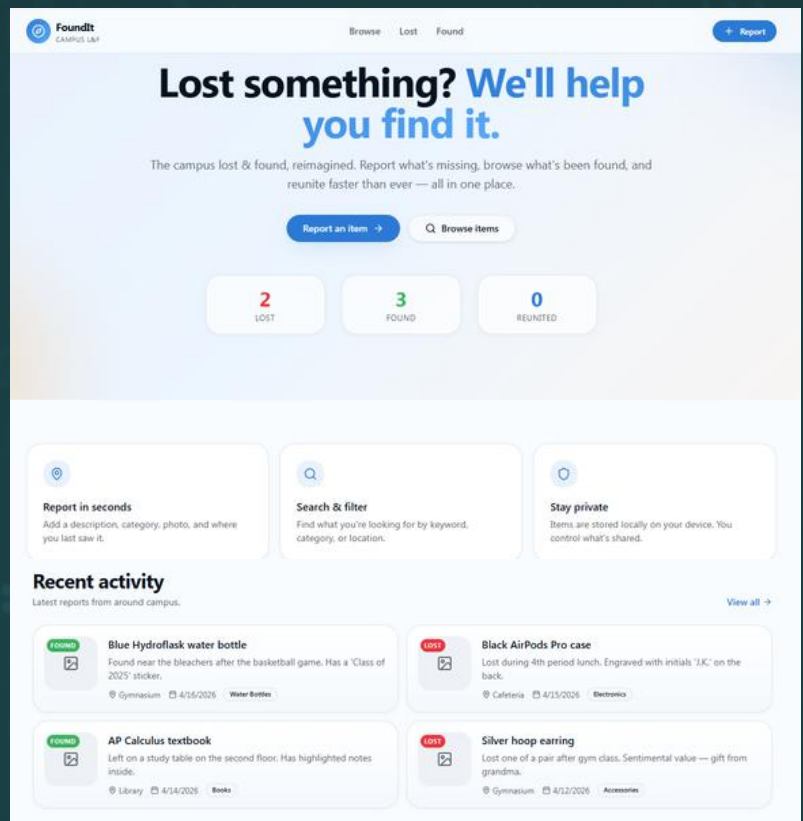
Exposure to
**basic web
development**

No prior experience
in **Mobile
Applications.**

From Lost to Found

Campus Lost & Found

The Campus Lost & Found app is a **two-sided mobile application built for school communities**. Students can report lost items or log found items, browse and search existing submissions, and mark items as resolved once returned to their owner. Every submission includes a category, description, date and time, and campus location — with an optional photo attachment.



"I didn't just learn to code , I **learned to think like a developer.**"

"The hardest part was the filtering. I had to think about what happens when someone searches AND filters by category at the same time. **My mentor helped me think through the logic before I wrote it — and when it finally worked, that was the best feeling.**"

— KHALID A.



Mentor Matching



Parag,
AVP Senior
Programmer Analyst

citibank

Example Projects

FINANCE

Web Development



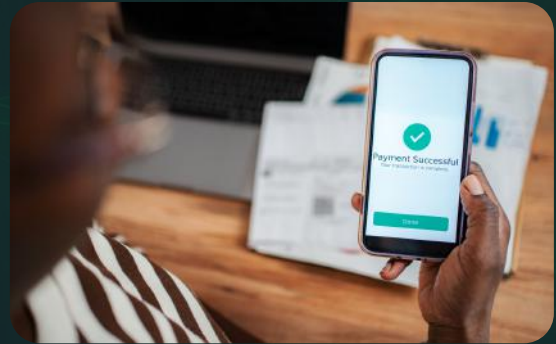
Personal Finance Tracker

A web dashboard to log income, track expenses, and visualize spending habits.

- Categorizes transactions and shows spending trends
- Sets budget goals and sends progress alerts

ECONOMICS

App Development



App to Connect Users with Micro-loan Opportunities

A mobile platform connecting borrowers with individual lenders for microloans.

- Lets borrowers create requests and lenders fund them
- Tracks repayments and sends updates

LITERACY

Game Development



Educational Game to Teach Vocabulary and Spelling

An interactive game where players spell words and match definitions to level up.

- Adapts difficulty and rewards streaks
- Includes spelling bee and word matching mini-games

COMMUNITY

Data Science



Community Needs Forecasting

A predictive model that forecasts demand for community services like food aid or job training.

- Analyzes indicators like unemployment to predict needs
- Displays forecasts on a dashboard by neighborhood



Which **Delta Code** program is right for you?

Details	Delta Code Intensive (Cohort)	Delta Code Immersive (1:1)
Best for	Cohort-based learning to build a coding project.	Personalized, in-depth coaching for advanced technical projects.
Schedule & Duration	6 Weeks on Sat/Sun. Tailored to global time zones.	Flexible; Scheduled as per student availability.
Mentorship	- Group sessions (6:1 ratio) 2x 1:1 mentoring sessions - Email support and office hours.	25 hours of 1:1 mentoring - Takeaway Assignments - Email support and office hours.
Outcomes	- Personal Project - Recommendation Letter - White Paper	- Advanced Project - Recommendation Letter - White Paper - Industry Panel Review
Price (USD)	\$2200	\$4800

Delta Code **Intensive**

Build and launch a real coding project in a structured, cohort-based program. Develop and deploy an application, document your work on GitHub, and present your final product at Demo Day.

USD 2,200

Delta Code **Immersive**

Create a fully personalized software project with 1:1 mentorship, from idea to deployment. Build a production-ready application, publish a complete GitHub portfolio, and earn a mentor recommendation letter.

USD 4,800

Get Started

Scan the QR code below!



admissions@deltainstitute.co