



Participant Handbook

GTC Internship Program **MACHINE LEARNING TRACK**

Cohort: September 2025

Prepared by
Program Operations Team





GTC INTERNSHIP 2025

MACHINE LEARNING TRACK

This isn't just another course. This is a project-based sprint designed to simulate a real-world machine learning work environment. For the next four weeks, you will not just learn concepts—you will build, experiment, and create a portfolio of work that demonstrates practical, industry-ready skills.

Our goal is simple: to transition you from theoretical understanding to capable practitioner.

Key Program Details:

🏁 **Duration:** 4 intensive weeks

🌐 **Format:** 100% remote (learn on your schedule)

🕒 **Commitment:** ~15 hours/week

🎯 **Outcome:** Professional portfolio + certificate + referrals to partner companies

Why This Stands Out:

- Real-world projects with messy data & actual business challenges
- Professional workflow using GitHub & strict deadlines
- Industry referrals for top performers

You're here to build. Let's begin.

Weekly Schedule

This is your roadmap to success. Mark these dates in your calendar now. Adherence to this timeline is critical for your success and is a key factor in earning your certificate and recommendations.

All deadlines are at 11:59 PM GMT+3 (Egypt Time).

week

1

Aug 30 - Sep 5 | Data Foundation

- 📅 Study Days: Sun (31/8), Tue (2/9), Thu (4/9)
- 🚀 Project 1 Released: Monday, Sep 1
- 🕒 Project 1 Deadline: Friday, Sep 5
- 🎯 Focus: Data Cleaning & Preprocessing

Sep 6 - Sep 12 | Data Storytelling

- 📅 Study Days: Sun (7/9), Tue (9/9), Thu (11/9)
- 🚀 Project 2 Released: Monday, Sep 8
- 🕒 Project 2 Deadline: Friday, Sep 12
- 🎯 Focus: Exploratory Data Analysis (EDA) & Visualization

week

2

Sep 13 - Sep 19 | Team Formation & Kickoff

- 📅 Study Days: Sun (14/9), Tue (16/9), Thu (18/9)
- 📄 Capstone Project Catalog Revealed: Saturday, Sep 13
- ✅ Project Selection Form Deadline: Sunday, Sep 14
- 👥 Teams Finalized & Work Begins: Monday, Sep 15
- 🎯 Focus: ML Fundamentals & Team Collaboration

week

3

Sep 20 - Sep 26 | Capstone Project Sprint

- 💻 Deep Work: Full-week team collaboration.
- 🕒 Final Capstone Project Deadline: Friday, Sep 26
- 🎯 Focus: Delivering a complete, real-world ML solution.

week

4



Genius
Technology
Center

Projects Details

All project work will be conducted in Google Colab for seamless collaboration and environment setup. Here's your workflow:

Tools You'll Use



Google Colab

All coding and analysis



GitHub

Version control and
submission

Individual Projects (Project 1 & Project 2)

- Use the Colab notebook template provided for each project
- Complete code blocks and add your analysis
- Download your notebook and upload to GitHub
- Submit the GitHub link via Google Classroom

Team Capstone (Project 3)

- Collaborate in a shared Colab notebook with your team
- Use GitHub for version control — commit often!
- One teammate submits final materials for the group

Pro Tips

- 🧠 Comment your code clearly — helps us understand your approach
- 🕒 Use Colab's version history to track changes
- ✅ Organize GitHub repos with clean README files

Grading System

Your final score is a weighted combination of your performance across all activities. This determines your eligibility for the certificate and industry referrals.

Quizzes & Practice (30%):

Demonstrate your understanding of weekly concepts.

Project 1: Data Cleaning (15%):

Quality of your data preprocessing and code.

Project 2: EDA (20%):

Depth of your analysis and clarity of storytelling.

Project 3: Capstone (35%):

Technical depth, teamwork, and presentation quality.

Communication

We've streamlined communication to keep everyone on the same page efficiently.



Google Classroom:

Your central hub. All official announcements, materials, and project submissions are here. Check daily.



WhatsApp Group:

The primary channel for quick questions, peer discussion, and non-urgent support. Keep it professional and respectful.



Email:

Reserved for urgent, private matters only (e.g., serious technical issues). Please do not email general questions.

Benefits & Outcomes

This program is designed to deliver tangible results for your career.

★ **A GTC Certificate:**

Awarded for mastery of the core curriculum.

★ **A Professional Portfolio:**

Showcase two foundational projects and one real industry capstone.

★ **Industry Referrals:**

Top performers receive direct referrals to our partner companies.

★ **Practical Experience:**

Gain confidence through hands-on, project-based learning.

Program Policies

Professionalism is a core part of this experience.

- **Deadlines are Final.** Late submissions receive a score of zero. Exceptions are only made for verifiable emergencies communicated in advance.
- **Original Work.** You must submit your own work. Plagiarism or use of unauthorized code results in immediate removal from the program.
- **Team Contribution.** For the capstone, all team members are expected to contribute equally. Peer evaluations may be used to assess individual input.
- **Professional Conduct.** Maintain respectful and collaborative communication on all platforms.

Getting Started

Welcome to the program! Follow these steps to prepare for your first week:

Immediate Actions (Complete by Saturday, Aug 30):

1. Join the WhatsApp Group

- This is your private community with peers and mentors.
- All further instructions and the Classroom invite link will be shared there.
- Use the invite link provided in your acceptance email.

2. Set Up Your Tools

- Ensure you can access Google Colab
- Create a GitHub account if you don't have one

This Week's Timeline:

- **Sun, Aug 31:** First study materials available
- **Mon, Sep 1:** Project 1 details released
- **Fri, Sep 5:** Project 1 submission deadline

Pro Tips for Success:

- Check Classroom regularly for updates
- Don't hesitate to ask questions in the WhatsApp group
- Start projects early to avoid last-minute stress

You're ready to begin this exciting journey!

Let's build something great together.

The GTC Team