INTERMEDIATE · WEB APP + PHONE SCANNER

QR tickets for your college fest, with a scanner *that works offline.*

Students get a QR ticket. Volunteers scan it at the gate. Every ticket enters once, even with two gates.

3–5	4	5
weeks to build	parts one prompt won't solve	steps, in order



NYC is taught live by engineers *who work in tech today.*

This brief is by the NYC team. These are the engineers who teach NYC's live classes.

The instructors

FULL STACK AND GENAI

Swapnil

Forward Deployed Engineer, Microsoft

IIT (ISM) Dhanbad. Works on Microsoft Teams.

DSA

Akshay

Senior Software Engineer, Atlassian

IIT Bombay. Earlier at Jio Platforms and Myntra.

DATA SCIENCE AND ML

Abhishek

Engineering Analyst, Google

IIT Kanpur. Earlier at Optum and BARC.

AGENTIC AI

Jaskirat

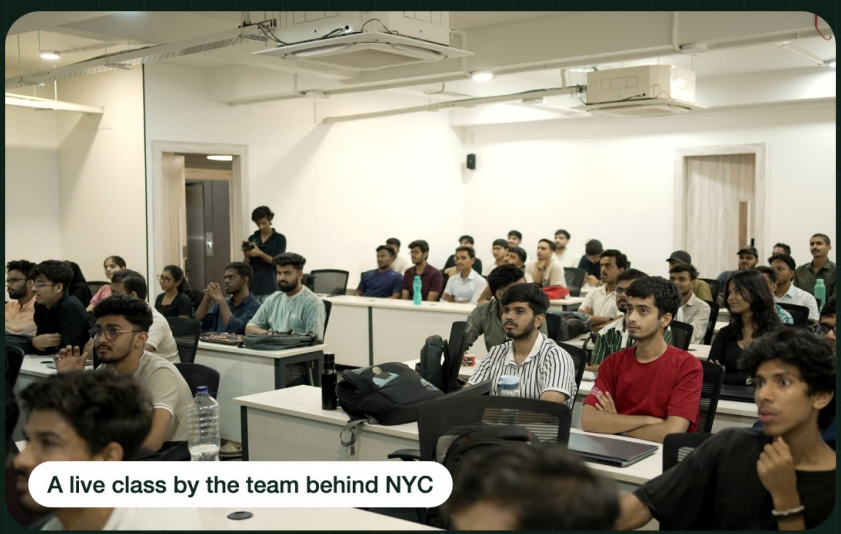
Senior Software Engineer, NTT DATA

Builds agentic AI platforms.

Instructors speak for themselves, not for their employers.

Live classes, five days a week. *Fridays are for building.*

Every NYC course is taught live by engineers, 1.5 hours a day, and engineers review every project.



A live class by the team behind NYC

Four courses

For first and second-year college students

6 months · Software Engineering + AI

4 months · Data Analytics + GenAI

6 months · Data Science & Machine Learning

8 months · AI Engineering

Where our students *work now.*

Students taught by the team behind NYC, at Sheryians Coding School. 1,200+ are placed.

HIGHEST PACKAGE



Kushagra Patidar

SDE 1, Amazon

₹47 LPA

LinkedIn ↗



Anuj Parashar

SDE, Care Health Insurance

₹22 LPA



Rishika Jain

Cisco

₹17 LPA



Mansi Patel

Airtel

₹15 LPA

INTERMEDIATE · 3–5 WEEKS

Fest Check-in: *what you'll build.*

A ticket system for a college event. Students register and get a QR ticket. Volunteers at the gates scan tickets with their phone cameras and see a clear yes or no. A ticket can enter only once, even if two gates scan it at the same moment, and the scanner keeps working when the network drops.

Test it with real people

Run it for a club event of 50 to 100 people.

It must do these 4 things

1. **Registration that gives each person a unique QR ticket.**
2. **A scanner page that uses the phone camera.**
3. **A clear green or red result in under a second.**
4. **A live count of people inside, and an export of everyone who came.**

What you'll learn

Full stack · Database transactions · Offline sync · Signed tokens · Camera APIs

Where one prompt *falls short.*

Use AI for any part you like. These are the parts you will still have to understand, test and fix yourself.

> "Two gates scan the same ticket in the same second."

1. Two volunteers scan the same ticket at two gates in the same second. Without the right database check, both let it in.
2. Gates lose signal. The scanner must work offline and sync later. An offline gate can't see the other gate's scans, so decide how it stops a copied ticket.
3. A QR code is easy to copy or make up. Tickets need a signature so a made-up code fails.
4. Camera access behaves differently on Android Chrome and iPhone Safari.

At NYC: engineers review work like this with you in live classes, every week.

Build it in *5 steps.*

1. Registration and signed QR tickets.
2. The scanner with the camera and an instant result.
3. The "enter only once" check, tested with two scanners at once.
4. Offline mode and syncing.
5. A dry run with friends acting as the crowd.

It is done when

- ✓ Two phones scanning the same 30 tickets together let each one in only once.
- ✓ The scanner keeps working in flight mode and syncs afterwards.
- ✓ A QR code you make by hand is rejected.

Go further

- Different ticket types and gates.
- Send tickets on WhatsApp or email.
- A dashboard for organisers.

Built it? Submit it for a mentor review

Submit at notyourcollege.com/project-ideas. An NYC mentor reviews every build; the best ones may be featured on the NYC website and YouTube channel.

This brief is by the NYC team. Tools, prices and limits change, so check each service's own docs.