BEGINNER · LIVE WEB APP

Today's canteen menu and queue, updated *by students live.*

Anyone can post what's available and how long the queue is. Everyone sees it within seconds.

1–2	3	4
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

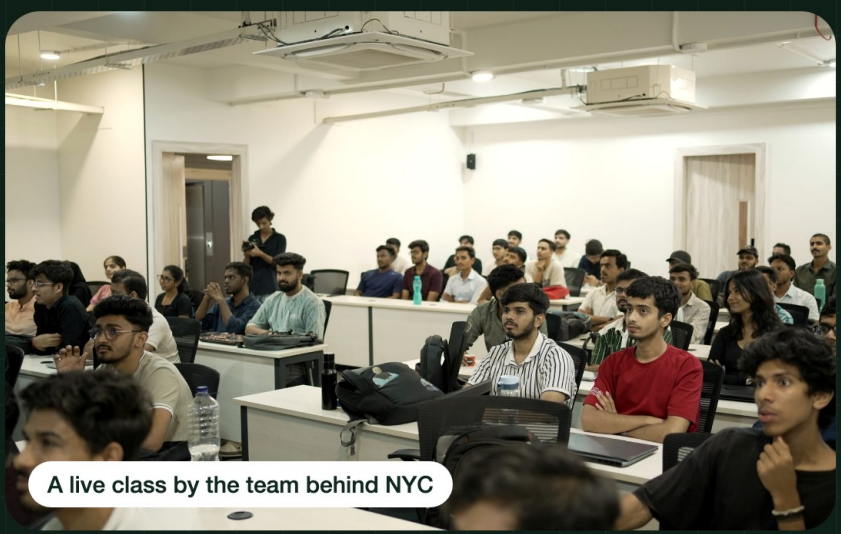
Senior Software Engineer, NTT DATA

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

BEGINNER · 1–2 WEEKS

Canteen Board: *what you'll build.*

A shared live page for your campus canteen. Anyone can mark what is available today and how long the queue looks. Everyone else sees the change within seconds, and old reports fade out so the page never shows lunch-time news at dinner.

Test it with real people

Ask 15 students to use it at lunch for a week.

It must do these 4 things

1. Today's menu with "available" or "finished" for each item.
2. Queue length as short, medium or long.
3. Changes show up on other phones within 5 seconds.
4. Reports older than 20 minutes stop counting.

What you'll learn

Real-time databases · WebSockets · Hosting · Testing with users

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 people report different queues at the same moment."

1. Live updates across phones need a real-time database or sockets, plus hosting that stays up.
2. Two people report different things at the same moment. You need a rule for which one to show.
3. Campus Wi-Fi drops. The page must reconnect and catch up without a refresh.

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

Build it in *4 steps.*

1. Build the menu page with a database behind it.
2. Add live updates and test with three phones at once.
3. Add the rules for old and clashing reports.
4. Handle dropped connections, then run the lunch-time test.

It is done when

- ✓ A change on one phone shows on two others within 5 seconds.
- ✓ Turning Wi-Fi off and on catches the page up without a refresh.
- ✓ A week of real use with no wrong "available" items reported by testers.

Go further

- Prices and a daily special.
- A display mode for a TV at the canteen.
- Weekly charts of the busiest times.

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.