ADVANCED · INFRASTRUCTURE

Push a GitHub repo, get a live link. Your *own small Vercel.*

Builds in containers, a subdomain for each app, live logs and one-click rollback.

6–10	3	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

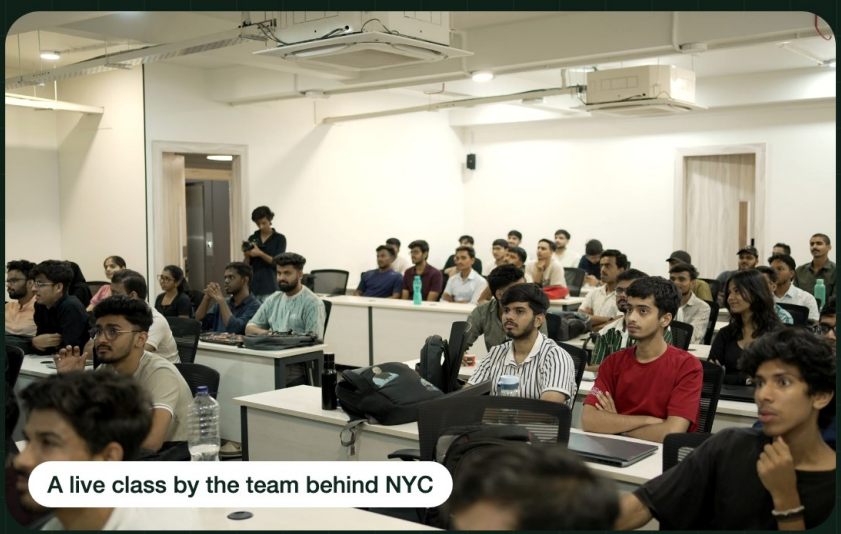
Senior Software Engineer, NTT DATA

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

ADVANCED · 6–10 WEEKS

Your Own Deploy Platform: *what you'll build.*

Connect a GitHub repo. Your platform builds it inside a container, gives it a subdomain like app.yourname.dev, shows the build logs live, and lets you roll back to an earlier version.

Test it with real people

Deploy five different real projects: a static site, a React app, a Node API, a Python API and one that fails to build.

It must do these 4 things

1. **A push to GitHub starts a build.**
2. **Builds run in separate containers with time and memory limits.**
3. **Each app gets its own subdomain with HTTPS.**
4. **Live logs, and rollback to the last working version.**

What you'll learn

Linux · Docker · Networking · Reverse proxies · Security

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.

> "You are running other people's code on your server."

1. You are running other people's code. Without separation and limits, one bad build can take down the whole server.

2. Sending each subdomain to the right container, with HTTPS certificates, needs a reverse proxy you set up and understand.

3. The old version must keep serving until the new one is healthy, or every deploy causes downtime.

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

Build it in *5 steps.*

1. Build one repo by hand in Docker and serve it.
2. Trigger builds from GitHub pushes.
3. Subdomains, HTTPS and the reverse proxy.
4. Live logs, limits and rollback.
5. Switch versions with no downtime.

It is done when

- ✓ All five sample projects deploy, and the broken one fails with a clear log.
- ✓ A build stuck in an endless loop is stopped by the time limit.
- ✓ A check sending one request a second sees no failures during a version switch.

Go further

- Environment variables and secrets.
- A preview link for every pull request.
- A usage dashboard.

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.