INTERMEDIATE · AI WEB APP

Post a photo of what you lost. The app *finds likely matches.*

A campus lost and found that compares photos and descriptions, with private chat.

3–5	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

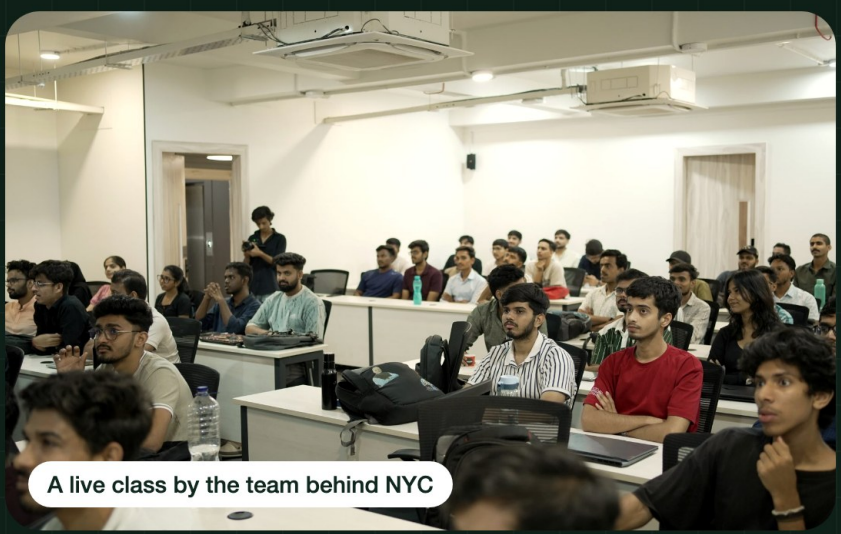
Senior Software Engineer, NTT DATA

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

INTERMEDIATE · 3–5 WEEKS

Lost & Found Matcher: *what you'll build.*

A lost and found for your campus. People post lost or found items with a photo, a place and a time. The app compares photos and descriptions and suggests likely matches, and the two people can chat without sharing phone numbers.

Test it with real people

Collect 40 real photos of everyday items from friends, like bottles, ID cards and earphones, to test the matching.

It must do these 4 things

1. **Post a lost or found item with a photo, place and time.**
2. **Ranked list of likely matches.**
3. **A private chat between the two people.**
4. **Sign-in only with your college email.**

What you'll learn

Image embeddings · Vector search · File uploads · Sign-in · Privacy

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.

> "Matching photos is not one API call."

1. Matching photos needs image embeddings or captions, and then a way to measure whether the top matches are right.
2. Phone photos are large. Uploading on campus data needs compression and resizing.
3. Privacy: no phone numbers or room numbers on public pages, and a way to report misuse.

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

Build it in *4 steps.*

1. Posting with compressed photo upload.
2. Matching, measured on your 40-photo test set.
3. Private chat.
4. College-email sign-in and reporting.

It is done when

- ✓ In your test set, the right item is in the top 3 matches at least 8 times out of 10.
- ✓ A 5 MB photo uploads as less than 500 KB.
- ✓ No personal contact details appear anywhere public.

Go further

- A notification when a new match appears.
- A mode for the campus security desk.
- Matching from a description alone.

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.