INTERMEDIATE · DISCORD BOT

A daily coding problem for your club, with a leaderboard that *checks real solves.*

The bot posts a problem every morning and checks Codeforces to see who really solved it.

3–5	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

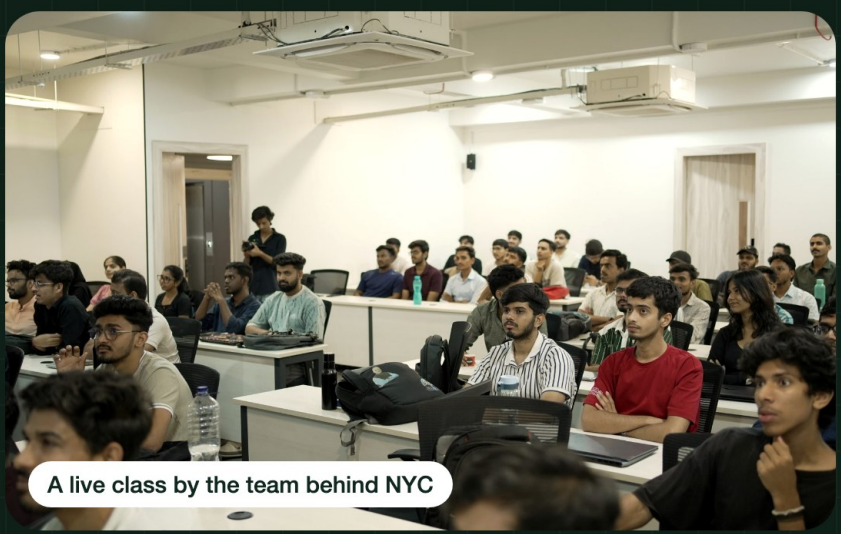
Senior Software Engineer, NTT DATA

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

INTERMEDIATE · 3–5 WEEKS

Coding Club Bot: *what you'll build.*

A Discord bot for your coding club. Every morning it posts a problem at the right level. Members link their Codeforces handle, and the bot checks the Codeforces API to confirm who actually solved it, then updates streaks and a weekly leaderboard.

Test it with real people

Run it in a real Discord server with at least 15 members for three weeks.

It must do these 4 things

1. **A daily problem, chosen by level.**
2. **Link and verify a Codeforces handle.**
3. **Solves checked through the API, never typed in by hand.**
4. **Streaks, a weekly leaderboard and admin commands.**

What you'll learn

Bot APIs · External APIs · Rate limits · Scheduling · Databases

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.

> "How do you prove a Codeforces handle is yours?"

1. Proving a handle belongs to the person: you need a check, like asking them to submit a compile error to a problem you pick.
2. The Codeforces API allows one call every two seconds. Checking 50 members takes 100 seconds, so you need a queue and saved results.
3. The bot must keep running, and must not post twice after a restart.

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

Build it in *5 steps.*

1. A bot that posts a problem on a schedule.
2. Handle linking with verification.
3. Solve checks within the API limits.
4. Streaks, the leaderboard and admin commands.
5. Three weeks in a real server.

It is done when

- ✓ A post every day for three weeks, never twice.
- ✓ Someone else's handle cannot be linked.
- ✓ API calls stay under the limit you measured.

Go further

- Contest reminders.
- Team battles between years.
- Hints that open after a few hours.

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.