ADVANCED · SEARCH ENGINE

Search every page and PDF on your college *website, ranked properly.*

A crawler, an index and a search box that finds the right notice in under a second.

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

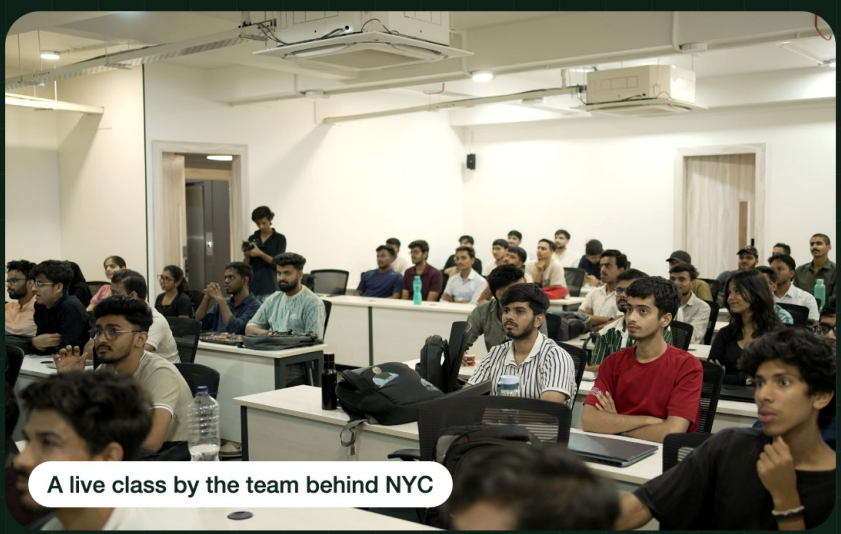
Senior Software Engineer, NTT DATA

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

College Search: *what you'll build.*

A crawler that reads your college website and its PDFs, an index of everything it finds, and a search page that puts the right notice or rule first in under a second, even with typos.

Test it with real people

Write down 50 real questions students search for, and the page that should come first for each.

It must do these 4 things

1. **A polite crawler that follows robots.txt, limits its speed and finds new pages.**
2. **Text from PDFs, including tables.**
3. **Ranked results with a short snippet.**
4. **Typo tolerance, and a refresh every day.**

What you'll learn

Crawling · Parsing · Indexes · Ranking · Evaluation

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.

> "Getting the right notice first, not just any page with the words."

1. College websites are messy: broken links, the same page at three addresses, scanned PDFs.
2. Ranking is the hard part: the right notice first, not just any page that contains the words.
3. You can't tell if search is good without your own test set and a score.

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

Build it in *5 steps.*

1. Crawl the site politely and store pages and PDFs.
2. Pull out clean text and remove duplicates.
3. Build the index and the first ranking.
4. Score it on your 50 questions and improve the ranking.
5. Daily refresh and a fast search page.

It is done when

- ✓ For your 50 questions, the right page is first at least 35 times and in the top 3 at least 45 times.
- ✓ New notices show up within 24 hours.
- ✓ Search answers in under 300 milliseconds.

Go further

- Questions in Hinglish.
- Search by meaning, not just words.
- Alerts when a new notice matches a saved search.

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.