



**NexTrack**

EXPLORE · BUILD · DECIDE



// LAUNCH SEQUENCE INITIATED ●

# ENGINEERING LAUNCHPAD

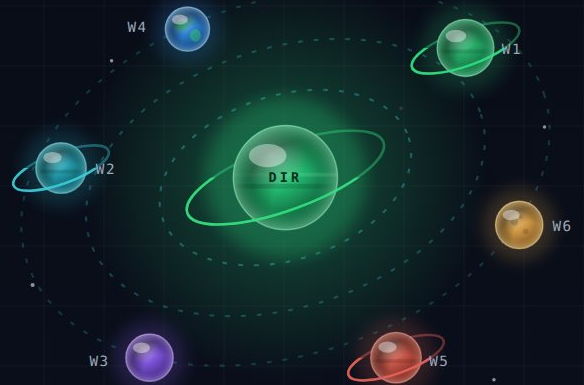
FULL COURSE CURRICULUM · BATCH 01

Six weeks, **one real project every week** — then a 1:1 session to map your direction.

100% LIVE ONLINE

BEGINNER-FRIENDLY

HYDERABAD



// MISSION PARAMETERS

**6**

WEEKS · LIVE ONLINE

**6**

REAL PROJECTS BUILT

**6**

CAREER TRACKS

**1:1**

DIRECTION ROADMAP

WEEKLY INDUSTRY GUESTS · ALL SESSIONS RECORDED · TIMINGS ON ENQUIRY

FREE ORIENTATION

**June 25-26-27**

**Open to everyone — no payment needed to attend.** 100% live online; the full 8-week program departs **June 29**. Weekly guests from Amazon · Infosys · Cognizant.

FLIGHT ROUTE · 6 WEEKS · 6 STOPS

CNF → DIR



W1

Your Foundation



W2

The Data World



W3

AI / ML



W4

Web Development



W5

Cybersecurity



W6

DSA & Big-Tech

// YOUR FIRST TICKET COSTS NOTHING

# Free orientation

Three live evenings before the program, open to everyone. **No payment needed to attend** — join, experience, decide. You leave with a plan whether or not you enrol.

**NEXTRACK LAUNCHPAD**  
ENGINEERING · ORIENTATION PASS

100% FREE

ORIENTATION FARE

**FREE**

- ✓ 3 live sessions
- ✓ Full program walkthrough
- ✓ Live Q&A with the instructor

**CNF****DIR**

CONFUSION · YEAR 7

DIRECTION · WEEK 6

PASSENGER

**Engineering Student**

BATCH

**01 · Hyderabad**

DATES

**June 25–27 · Live**

NXT-001-ORI-JUN18

SEG 1/3

DAY 1 · JUNE 25

## The Reality of Engineering College

- **Does CGPA actually matter?** — honest answer, no sugar-coating.
- **Skills vs certifications** — what companies actually look at.
- **Does your college or branch matter?** — the real picture.
- **Why starting early changes everything** — compounding effect explained simply.

SEG 2/3

DAY 2 · JUNE 26

## The Tools & the Traps

- **Tutorial hell** — why watching 100 videos builds nothing, and how to escape it.
- **LinkedIn, GitHub, LeetCode** — what each one is actually for.
- **Hackathons & competitive coding** — worth it or not?
- **College events** — which ones to join, which to skip.
- **YouTubers worth following** — a short, honest list.

SEG 3/3

DAY 3 · JUNE 27

## Your Map & Program Walkthrough

- **Who to network with** — seniors, builders, working engineers.
- **Year 1–4 roadmap** — what to do and when.
- **Full program walkthrough** — every week, every project, every guest.
- **Live Q&A** — ask anything, no filters.

♥ **The orientation promise:** you leave Day 3 with a real plan — and your GitHub & LinkedIn already started. No pressure, no pitch.



LEAVE WITH

**Clarity, practical advice, and a plan — whether or not you join the full program.**

// THE 6-WEEK PROGRAM · ONE REAL SKILL PER WEEK

# Every week builds on the last

MON-THU: LEARN THE SKILL · FRI: BUILD SOMETHING SMALL WITH IT · SAT: GUEST SESSION (WEEKS 2-6) · ALL LIVE + RECORDED

## WEEK 01

## Python — Start Coding from Zero

SYS: IGNITION



MON	<p><b>Print statements &amp; data types</b></p> <p>Your first line of code: <code>print("Hello")</code>. Then we look at what types of data Python understands — numbers, text, <code>true/false</code>. Simple, but this is the actual foundation everything runs on.</p>
TUE	<p><b>Variables &amp; conditional statements</b></p> <p>Variables let you store things. Conditions let your program make decisions — if this, do that, otherwise do something else. By the end you'll have a program that reacts to input.</p>
WED	<p><b>Lists &amp; functions</b></p> <p>Lists store multiple things at once. Functions let you write code once and use it anywhere. These two together unlock almost every project a beginner will build.</p>
THU	<p><b>Loops</b></p> <p>Make your program repeat things — go through a list, keep asking until you get a valid answer, count down from 10. Loops are everywhere once you know what to look for.</p>
FRI · PROJECT	<p><b>Mini game — using everything from this week</b></p> <p>A small text game that uses all four concepts: print, variables, conditions, lists, functions and loops — all working together. Could be a number guessing game, a word quiz, a simple adventure. Small, complete, pushed to GitHub. Your first real project.</p>

## WEEK 02

## Data World — Reading & Understanding Numbers

SYS: SIGNAL



MON	<p><b>What is data and why every company runs on it</b></p> <p>We open a real dataset — cricket scores, sales, weather — and just read it using the Python you learned last week. No new tools yet, just curiosity.</p>
TUE	<p><b>pandas — load, filter, summarise</b></p> <p>One library. You load a CSV, find the average, filter rows, sort by a column. Hands-on the whole session with a dataset that's actually interesting.</p>
WED	<p><b>Make 2 charts with Matplotlib</b></p> <p>A bar chart and a line graph. Nothing fancy — just two charts that show something real about the data. This is all most data work actually is.</p>
THU	<p><b>Write one clear insight from your data</b></p> <p>The skill that separates a data person from everyone else: not just "here's a chart" but "here's what it means." We practise writing that one sentence.</p>
FRI · PROJECT	<p><b>Pick any dataset, find something interesting, show it</b></p> <p>2 charts + 3 lines explaining what you found. Pushed to GitHub. Honest, small, real. Your first data piece.</p>
SAT · GUEST	<p><b>Data Analyst / Data Scientist</b></p> <p>What their real day looks like, what tools they use, what gets a fresher noticed. Live Q&amp;A.</p>

// THE 6-WEEK PROGRAM · WEEKS 3 &amp; 4

# Build a page, then teach it to predict

WEEK 3: ONE WEBPAGE — HTML + CSS ONLY, NO JS, NO REACT · WEEK 4: ONE PREDICTION MODEL USING YOUR WEEK 2 DATA

WEEK 03

## Web Dev — Build Your First Webpage

SYS: INTERFACE



MON	<b>HTML — how a webpage is built</b> Every website is just HTML at the core. We build a simple page with headings, text, links and images. No tools, no frameworks — just a file and a browser.
TUE	<b>CSS — making it look good</b> Colours, fonts, spacing, layout. We style the page from Monday so it actually looks like something you'd want to show someone.
WED	<b>Your about page — writing about yourself</b> Who you are, what you're learning, links to your GitHub and LinkedIn. Content that will go on your final portfolio site. We write it this week.
THU	<b>Put it on the internet — free hosting with GitHub Pages</b> Your HTML file gets a real URL in under 10 minutes using GitHub Pages. Free, no credit card, no server. Live on the internet.
FRI · PROJECT	<b>A simple personal page — live online</b> Your name, what you're learning, links to your work. HTML and CSS only. Nothing else. But it's real, it's yours, and it's on the internet.
SAT · GUEST	<b>Frontend / Full-Stack Engineer</b> How they actually build things, what the real learning path looks like, what projects impress. Live Q&A.

WEEK 04

## AI / ML — Teaching Data to Make Predictions

SYS: INTELLIGENCE



MON	<b>What is machine learning — no hype version</b> You show the computer labelled examples. It finds patterns. That's it. We look at where this is used in apps you already use and why it matters.
TUE	<b>Train your first model using your Week 2 data</b> We take the dataset you already explored, ask one yes/no question, and train a model to answer it. scikit-learn, 10 lines of code, it works.
WED	<b>Is it any good? Testing and understanding accuracy</b> How do you know if your model is actually learning something? We test it, look at where it gets things wrong, and understand why — not just accept a number.
THU	<b>GenAI &amp; LLMs — what's actually happening</b> An honest, simple explanation of ChatGPT and Gemini. What's real, what's hype, and what engineers actually do with these tools day to day.
FRI · PROJECT	<b>A trained model that predicts something from your data</b> Trained, tested, documented with a README you wrote. You can explain every line. That's what makes it a portfolio piece — not just code that runs.
SAT · GUEST	<b>AI / ML Engineer</b> What they actually build vs what the internet says they do. How a fresher can realistically get into this field. Live Q&A.

// THE 6-WEEK PROGRAM · WEEKS 5 &amp; 6

# Understand attacks, then prep for interviews

WEEK 5: HOW WEBSITES GET ATTACKED — AND HOW TO THINK ABOUT SECURITY · WEEK 6: DSA PATTERNS + HOW TO TALK ABOUT YOUR PROJECTS

WEEK 05

## Cybersecurity — Build It, Break It, Understand It

SYS: SHIELD



MON	<b>SQL injection + intro to network security</b> We write a vulnerable login form, then break it using SQL injection — on our own code, in a safe environment. Then a quick intro to port scanning: what ports are, why they matter, and how to see what's "open" on a machine.
TUE	<b>How data is actually stored on the web — HTML, forms &amp; what browsers send</b> Before you can understand attacks like XSS, you need to see what a browser actually sends to a server. We look at form data, HTTP requests, and where user input goes — building the mental model for the rest of the week.
WED	<b>Hashing, cracking &amp; cryptography — build and break a Caesar cipher</b> How passwords are stored as hashes (and why plain text is dangerous). Then we build a Caesar cipher in Python and immediately write a script to crack it by brute force. Seeing both sides makes it stick.
THU	<b>XSS demo + phishing-link detector + malware behaviour intro</b> We inject a script into a demo page to see XSS work live. Then build a simple Python tool that flags suspicious URLs by checking for known phishing patterns. Finally, a plain-language look at what malware actually does — no scaremongering, just the real behaviour.
FRI · PROJECT	<b>The Honeypot Logger</b> Build a fake login page that looks real but logs every attempt — username, password, timestamp — to a file. Run it for a day, share the link with classmates. Then write 5 lines: most common password guessed, fastest attempt, any pattern you spotted.
SAT · GUEST	<b>Cybersecurity Professional — live coding</b>

WEEK 06

## DSA & Interview Prep — Why It Matters & How It Works

SYS: ASCENT



MON	<b>What is DSA, why do tech interviews test it &amp; what even is LeetCode?</b> No code today — just clarity. Why do companies ask DSA? What does a tech interview look like? What is the DSA round and what do they expect? We set up LeetCode together and look at it without the intimidation.
TUE	<b>Arrays — the most common interview topic</b> What an array is, how it works in memory, and why so many interview problems use it. We solve 2-3 beginner array problems live, step by step, talking through the thinking out loud.
WED	<b>Sets &amp; hashmaps (dictionaries)</b> Two structures that make "find duplicates" and "count things" problems trivially easy. We look at why they work, then solve 2-3 problems that would be hard with an array but simple with a hashmap.
THU	<b>Practice problems — arrays, sets &amp; hashmaps together</b> We pick 4-5 problems that use what we've covered this week and solve them live. The focus isn't speed — it's reading the problem clearly, picking the right tool, and explaining your thinking.
FRI · PROJECT	<b>5 solved problems — written up so you can explain every one</b> Not just solutions — for each problem, write 2 lines: what the problem is asking and why your approach works. Push to GitHub. In an interview, that explanation is everything.
SAT · GUEST	<b>Engineer at a product / big-tech company</b> What the DSA round actually feels like, what they're really testing, and how to use your portfolio when you

// HOW A WEEK RUNS · WHAT YOU SHIP

# The rhythm & the payload

## HOW EVERY WEEK RUNS

<b>MON-THU</b>	<b>Foundation sessions</b> — learn the core skill of that week, live, with real code. All recorded same night.
<b>FRI</b>	<b>Project day</b> — you build something small and complete. Push it to GitHub. Every Friday = one portfolio piece.
<b>SAT</b>	<b>Guest session</b> (Weeks 2–6) — a working engineer joins live, shares their real experience, Q&A at the end.

## TIME & FORMAT

<b>LIVE</b>	<b>100% live online</b> , every session recorded and shared the same night.
<b>TIMINGS</b>	<b>Shared on enquiry</b> — message us for the live class schedule.
<b>LEVEL</b>	<b>Beginner-friendly</b> — starts from Python basics; no prior experience needed.
<b>EXTRAS</b>	<b>Resource pack</b> each session + a batch community that stays open.

## WHAT YOU BUILD — ONE PROJECT EVERY FRIDAY, ALL CONNECTED

<b>WEEK 1</b>	<b>Python app + GitHub set up</b>	Your first working program, pushed live. GitHub profile started from day one.
<b>WEEK 2</b>	<b>Data story with charts</b>	A real dataset, a real insight, explained clearly. Your first data portfolio piece.
<b>WEEK 3</b>	<b>Working ML model</b>	Built on your Week 2 data. You can explain what it does — that's what makes it real.
<b>WEEK 4</b>	<b>Portfolio website — live on the internet</b>	Shows your W1, W2, W3 projects. A real URL you send to anyone.
<b>WEEK 5</b>	<b>Security audit of your website</b>	You find the bugs in what you built and fix them. Awareness most freshers don't have.
<b>WEEK 6</b>	<b>DSA problem set + interview tracker</b>	Evidence you've started prep seriously — and a system to keep going after the program.

## // AFTER WEEK 6 · ONE WEEK OF 1:1 SESSIONS **Your Personal Direction Session**

<b>WHAT THIS IS</b>	A personal 1:1 session with your instructor — not a group call. Just you, based on <b>six weeks of actual work</b> we've seen you do.
<b>WHAT HAPPENS</b>	We look at what you built, what excited you, where you struggled, and what your goals are — and give you a <b>clear, specific path forward</b> .
<b>WHAT YOU LEAVE WITH</b>	A written roadmap: which track to go deep on, what to build next, what to learn, and a honest 90-day starting point. <b>No generic advice.</b>

// BEFORE YOU BOARD · COMMON QUESTIONS

# Questions, answered

The things students ask most before joining. Anything else, just message us — we're quick to reply.

## Q Do I need prior coding experience?

**No.** We start from Python basics — complete beginners are welcome and fully supported.

## Q Is it really live?

**Yes — 100% live online**, with Q&A built into every session. Nothing is pre-recorded filler.

## Q What if I miss a session?

Every session is **recorded and shared the same night**, plus resource packs and a community to catch up.

## Q What do I need to join?

Just a **laptop and an internet connection**. No paid software — everything we use is free.

## Q Will I get a certificate?

**Yes** — a certificate of completion, plus a portfolio of real projects that matters far more.

## Q Can I try before committing?

**Yes** — the 3-day orientation (June 25–27) is completely free. Join, experience it, then decide.

### WHAT YOU NEED

**A laptop + an internet connection** · NO PRIOR EXPERIENCE REQUIRED

### TECH STACK

TOOLS & LANGUAGES YOU'LL ACTUALLY TOUCH

Python

pandas

NumPy

scikit-learn

HTML · CSS · JS

React

Git &amp; GitHub

OWASP · CTF




DSA



STILL HAVE A QUESTION?

**Message us on WhatsApp or Instagram — we reply fast.**

BY THE END, WHAT YOU LAND WITH

  
Portfolio of  
6 projects  
Active  
GitHub profile  
LinkedIn-ready  
experience  
A clear  
direction

// QUESTIONS? · CONTACT US

## Secure your spot

Questions about the curriculum or enrolment? Reach out on any channel — we'll help you board Batch 01 🚀



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● ONLY LIMITED SEATS · ORIENTATION JUNE 25-27

**Batch 01 · Hyderabad · Departs June 29**