



codingninjas X



Electronics & ICT Academy
Indian Institute of Technology Guwahati
An Initiative of Ministry of Electronics & Information Technology (MeitY)

STUDENT TRAINING CUM INTERNSHIP PROGRAM IN
**SOFTWARE ENGINEERING
FUNDAMENTALS**

E&ICT ACADEMY, IIT GUWAHATI

A 6-month certification program to help
you stand out in the job market



About Coding Ninjas

Coding Ninjas was founded in 2016 by Ankush Singla, Kannu Mittal, and Dhawal Parate to bridge the skill gap between formal education and industry demands, thereby boosting India's tech ecosystem.

Having experienced both sides—as job seekers and hiring managers—the founders recognized the widening skill gap as technology advanced rapidly.

Starting in a small classroom in Delhi with a team of seven, Coding Ninjas quickly gained popularity. As the demand grew, they transitioned to online courses to reach more students across India. Their focus was always on student success, preparing them for life-changing job opportunities rather than just competitive exams.

As the company expanded, it maintained high standards, reflected in its top Net Promoter Scores (NPS), high course completion rates, and excellent placement records.

Over the years, Coding Ninjas has introduced pioneering features such as industry-relevant teaching by faculty from MAANG companies, a state-of-the-art live 1:1 doubt support platform, a superior online classroom experience, a Teaching Assistant program for alumni, a free practice and interview prep platform in Code 360 (previously CodeStudio), and most recently it's exclusive partnership with Naukri.com.

Ankush's passion for coding and teaching continues to drive the company, aiming to transform the lives of millions of students.

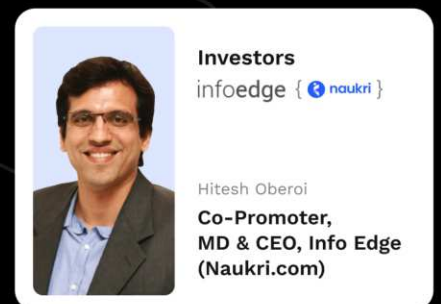
This is just the beginning.



Disney Hotstar Documentary



NSDC Training Partner



Investors - Info Edge (Naukri.com)

An 8-year legacy of **success**

Empowering coders to achieve their dreams



1.5 Lac+ learners

cracked dream roles at top tech companies



1,400+ Alumni in MAANG

& more in 103/111 Unicorns



1 Cr+ highest CTC

after completing the course



128% Average hike

via our placement cell

Why are we **#1**?

1 Alumni coverage

- Students from 4,400+ colleges
- Professionals from 1,100+ companies

2 Preferred upskilling platform for

- Tech working professionals
- NIRF Top 100 college students
- First product-based job seekers

3 Career transitions enabled

- Non-tech to tech
- Service to Product
- Career break to tech job
- Tier 2/3 college to MAANG

See **our students** thriving at:

Google



Microsoft



amazon



Message from the Principal Investigator

Dr. Gaurav Trivedi is Associate Professor,
EEE Department and Principal Investigator,
E&ICT Academy, IIT Guwahati.



Dear Students,

We are thrilled to partner with Coding Ninjas for the Student Training cum Internship Program in Software Engineering Fundamentals from E&ICT Academy, IIT Guwahati. Coding Ninjas' dedication to high quality, practical coding education aligns perfectly with our mission at E&ICT Academy, IIT Guwahati to enhance technical skills and employability through widely accessible programs.

This collaboration fits into our larger goal of providing top-notch education in emerging fields, thereby empowering the next generation of technologists.

To all students, I encourage you to embrace this opportunity with enthusiasm and dedication. Your journey in this certification program will be transformative, equipping you with the knowledge and experience to achieve your career aspirations.

This certification program offers a comprehensive software development field. Industry experts, ensuring you gain the skills needed to excel in software development.

Warm regards,

Dr. Gaurav Trivedi,
Associate Professor, EEE Department and
Principal Investigator, E&ICT Academy



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Founder's Message



Ankush Singla

Co-Founder & Instructor



Ankush holds a Bachelor's degree in Computer Science from India's most premier institute—IIT Delhi—and a Master's degree in Computer Science from Stanford University.

He is a coding enthusiast and has worked with bigwigs like **amazon.in** & **facebook** in the past.

Dear Students,

Welcome to E&ICT Academy, IIT Guwahati's Student Training cum Internship Program in Software Engineering Fundamentals powered by Coding Ninjas.

Over the past decade, India's tech scene has massively changed. Businesses big and small have gone digital, and startups in e-commerce, fintech, D2C and more, are booming. Cheap smartphones and fast internet have boosted mobile use. From being a backend service provider of tech, India now houses R&D centres for all top global MNCs and product-based companies. Government projects like Digital India also support innovation.

According to a report by NASSCOM, India is home to 68,000 startups, with over 8,900 new startups emerging in 2021 alone. To fulfil its ambitions of becoming a tech powerhouse of the 21st Century, ahead of the US or China, India needs to add 3,00,000 skilled software developers every year.

However, most people have not been able to compete for the opportunities that have opened up for various reasons. Many get off to a bad start in an average college due to a bad day in a competitive exam. Some don't get industry relevant practical education despite studying in top colleges. Some don't have access to good quality jobs because of the type of companies that visited their campus. Some are working in low skilled tech jobs, where there is no opportunity to learn high-end skills. Some, despite everything in place, are just not able to make the most of it.

E&ICT Academy, IIT Guwahati's Student Training cum Internship Program in Software Engineering Fundamentals powered by Coding Ninjas is your second and potentially your last chance to set your tech career in the right direction.

I've seen both sides of the coin - as a student applying for jobs and sitting for placements, and as a tech hiring manager at Amazon and Facebook. I realised that there was a significant gap between the skills aspiring candidates had and what the industry actually needed. Companies today value real practical skills and fancy degrees don't count for as much anymore.

Over the last 8 years of founding Coding Ninjas, our commitment to our students' success is unwavering. Every decision we make is with their best interests at heart. Since 2016, over 1,50,000+ learners from 4,400+ engineering colleges have graduated and gone on to work at top product companies both in India and abroad. Thousands of our alumni have worked in MAANG companies. 103/111 unicorns in India had our alumni working for them, at last count.

Most recently, we've partnered with Naukri.com to help our students showcase their hard earned coding profiles built on Coding Ninjas platforms to recruiters as real proof of work. We believe that this one-of-a-kind partnership will create immense value to both students and recruiters, which no other education institute can replicate.

In the end, I can summarise by saying that, as a working professional, if you can match your ambition of becoming a software developer at a product-based company with dedicated action over a sustained period of time, then this program is the right fit for you.

Welcome to Coding Ninjas, where your journey to becoming a Ninja coder begins.

Best regards,
Ankush Singla
Co-Founder & Instructor

Message from **Hitesh Oberoi**

MD & CEO, Info Edge (Naukri.com)



When I graduated from IIT in 1994, there were very few tech jobs in India. Many of my classmates couldn't find work. Some went abroad, some did MBAs, and others worked for the government. The choices were limited, and the future was unclear.

Ten years later, things changed. The IT services industry boomed, creating millions of jobs. Suddenly, any tech person could get a job. It was a big shift that opened up many opportunities.

In the last ten years, we've seen another big change. Now, there's a lot of deep tech and high-end work happening in India. There are thousands of tech startups, and real product development is being done here. R&D centres are opening, and we're building world-class products in India. The skills needed now are much more advanced. For global tech companies the conversation around India is no longer about tech cost advantage. It's now about skill advantage, and that's a massive change.

When I first met Ankush, I was very impressed. Ankush is a tech entrepreneur, but he's also a teacher at heart. He was actually teaching students himself at Coding Ninjas. For edtech startups to succeed, they must focus on the students. The student experience is key. Technology can help make education more affordable and accessible, but students' needs should always come first.

At Naukri, we are transitioning from being a job board into a careers platform. We want to help students and working professionals upskill and reskill, offering career insights and partnering with them throughout their career journey. Coding Ninjas fits perfectly with our long-term vision. They share our commitment to education and skill development. That's why we decided to invest in them.

With Coding Ninjas producing top quality talent and Naukri being India's #1 Job Platform, this unique partnership can offer a full-stack solution for job seekers to upskill themselves and find the jobs they deserve, faster.

Tech education in India is going through a tectonic shift for the better. We are at the centre of it, shaping a new future and I'm excited about what the future holds.

All the best!

Hitesh Oberoi,
Co-Promoter, MD & CEO,
Info Edge (Naukri.com)



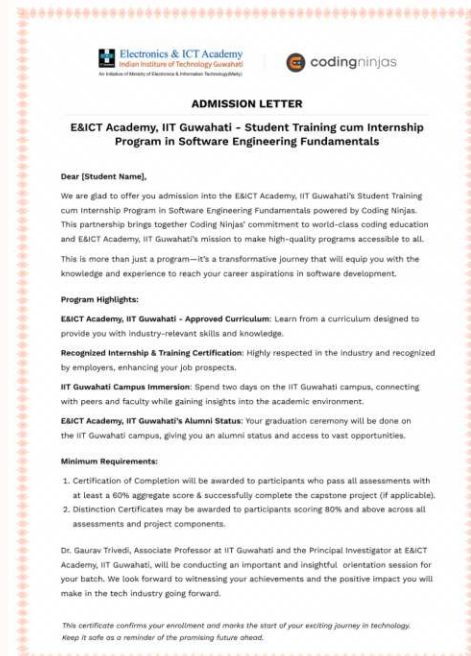
Key features of E&ICT Academy, IIT Guwahati's Student Training cum Internship Program in Software Engineering Fundamentals powered by Coding Ninjas

- Student Training cum Internship Program from E&ICT Academy, IIT Guwahati
- Campus Immersion & Graduation Ceremony at E&ICT Academy, IIT Guwahati
- E&ICT Academy, IIT Guwahati Alumni status
- Curriculum co-designed by E&ICT Academy, IITG
- Welcome kit
- Guest lectures by IIT faculty

Certificate



Admission letter



T-Shirt



ID Card





Why this program is the right choice for you?

Young ninja, your choice to pursue a career in Software Development is a path paved with endless opportunities. By choosing E&ICT Academy, IIT Guwahati's Student Training cum Internship Program in Software Engineering Fundamentals powered by Coding Ninjas, you not only take the first step, but also leap ahead of the hesitant souls who linger in indecision. Here, you will not just learn; you will excel. This is not just a program; it is a catapult, propelling you into the realm of tech mastery while others merely contemplate. Your decision will not be just wise; it will be bold. Take that first step, for you are destined for greatness.

And remember, every ninja started as a novice, eager to learn and grow.

1:1

Doubt support
everyday

450+

Hours of blended
learning

350+

Coding problems
for your success

What is the future of Software Development in India?

\$500 Billion tech industry
revenue by 2030

India's technology industry is on track to double its revenue to \$500 billion by 2030 as the country emerges as the fulcrum of an increasingly digitised world.

nasscom

2X Growth in new startups by
2030

India's startup ecosystem is forecasted to expand, potentially doubling in size by 2030. This growth will create diverse job opportunities in tech roles, fueled by innovation and entrepreneurial ventures.

nasscom

68,000 Tech Startups and growing

According to a report by NASSCOM, India is home to 68,000+ tech startups, with the number growing every year. More tech startups mean more high quality product-based tech jobs.

nasscom

Global Hub for Tech Innovation

According to a report by BCG, India has the potential to become a global hub for technology innovation, because of its large pool of skilled talent, growing startup ecosystem, and government initiatives such as Digital India and Make in India.

BCG

Digital India Initiatives

Future tech innovations in India are expected to transform multiple sectors, including education, healthcare, and e-commerce. The Open Network for Digital Commerce (ONDC) aims to level the playing field for small merchants, indicating a focus on inclusive growth.

McKinsey
& Company



Meet Bhaskar, an SDE at a leading e-commerce company.

His day begins with checking updates, followed by a stand-up meeting with his team. Today, Bhaskar focuses on optimising the checkout process, reviewing user feedback and coding improvements. This is his schedule for the rest of the day.

1:30 PM

Bhaskar enjoys local cuisine with his colleagues and later takes a refreshing walk in the office campus.

4:30 PM

During a break, Bhaskar relaxes with a video game on the latest Xbox, engaging in friendly competition with his colleagues.

3:15 PM

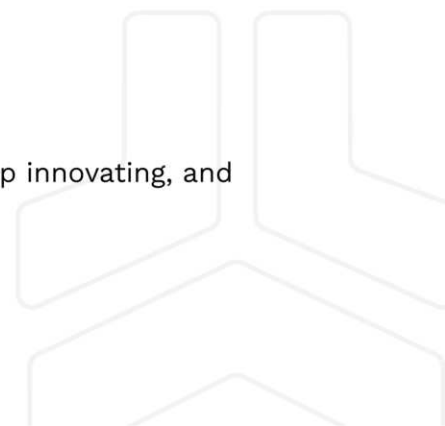
Bhaskar contributes valuable inputs in a meeting on upcoming features and attends a workshop on a new front-end framework. He also addresses a critical bug reported by a user, showcasing his problem-solving skills.

7 PM

As the day ends, Bhaskar reflects on his work, feeling accomplished. He looks forward to tomorrow's challenges.

This could be **YOU** soon.

Stay passionate, embrace challenges and keep learning. Keep coding, keep innovating, and one day, you'll inspire others just like Bhaskar does.



The Coding Ninjas Advantage

Learn - Excel - Standout

Let's dive deeper into each stage of our '3-Stage Learning Model':

Excel Stage

Refinement of Skills:

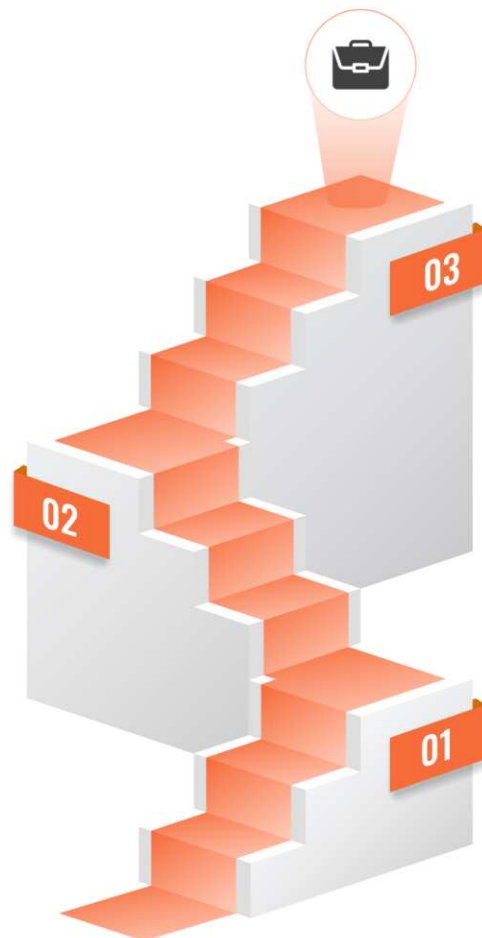
Receive additional resources tailored to help you master concepts we know you need to improve on.

Practice on Code 360:

Access to a vast repository of additional coding problems, challenges and resources on Code 360, our practice and interview prep platform.

Preparation for Tech

Interviews: Prepare for specific company coding interviews.



Standout Stage

Building a Strong Coding Profile:

Here, you'll focus on building a strong coding profile on Code 360 to stand out with recruiters by showing proof of work. This involves participating in coding contests, challenges, hackathons and events.

Highlighting Your Profile:

When you apply for jobs on Naukri.com, your Code 360 profile, along with a system-generated report, gets highlighted to recruiters significantly enhancing your chances of landing your dream job.

Learn Stage

Seamless Learning Journey:

Attend lectures, engage in problem-solving modules, and work on projects that mimic real-world scenarios.

Gamification: Track your progress against peers through the leaderboards, win skill badges and awards for achieving milestones.

Progress Tracking: Monitor your growth week-on-week through visual dashboards that track your coding skills' evolution on various parameters.

Your 6 Month **Journey To Success**



**Top Tech Role +
Graduation Ceremony
at IIT Guwahati**

Placement Prep

- Mock Interviews
- Soft skills prep
- Resume review

Interview Preparation - Module 2

- Aptitude Prep

Interview Preparation - Module 1

- Database Management System

Data Structures & Algorithms - 2

- Advanced Algorithms

Data Structures & Algorithms - 1

- Basic & Advanced
Data Structures

Coding Ninjas Developer Clubs

An exclusive community of Coding Ninjas students, in partnership with IIT Coding Clubs & top industry developers as mentors, driving excellence in competitive programming and open source projects.

Activities/Events: What to expect



Expert talks



Open source projects



Focussed workshops



Industry talks



Contests



Hackathons

10X Clubs: Mentorship by India's 10X tech talent



Diksha Bhardwaj

GSOC | Smart India
Hackathon Winner



Rutvik Kothari

ICPC World Finalist



Saksham Chauhan

Singapore India
Hackathon Winner



Abhishek Kumar Jain

Gold Medalist | ICPC
World Finalist



Coding Ninjas Career Services

Placement Training



10 Mentorship Sessions

Guidance from top industry mentors to connect theoretical understanding with practical implementation through their insights



10 Industry expert sessions

Sessions with industry experts from reputed companies who have proven competencies in specific fields and are excellent guides to help you determine your next steps in the industry.



Mock Interviews & Resume Reviews

Gain valuable insights through mock interviews & resume reviews conducted by industry experts from MAANG and other top product companies



Job Cell Access

Access to 800+ monthly job openings and 1200+ hiring partners to help you with the best options to take your career forward

With these resources and support systems in place, Coding Ninjas equips you with the necessary tools to succeed in securing roles at prestigious companies.



Notes from Recruiters

“

Coding Ninjas is a great institute for hiring candidates, as they train their students with all the detailed concepts required in the tech industry. Their process of hiring students is quite easy, and the team is always there to help us in every way.”



Noorun Rehman

HR Manager at Codezen,
hiring Back-End Developers

”

“

We have been hiring through Coding Ninjas for many years. We received strong profiles for SDE roles, and the candidates have performed exceptionally well. It has been a great experience recruiting trained developers from one place.



Abhijeet,

Co-founder at VIR Softech Pvt. Ltd,
hiring Front-End Developers

”

“

Our experience with Coding Ninjas has been exceptional. The students from their batches are well-trained, professional, and highly skilled. We look forward to continuing our collaboration and hiring more tech talent from them in the future.



Nidhi,

Operations Manager at GetWork,
hiring SDEs

”

“

The quality of hires from Coding Ninjas is consistently excellent. For tech hiring, whether it's for interns or freshers, I always rely on them. The turnaround time from sharing our requirements to receiving applications is the best in the industry.



Ashish,

Director at Codeyoung,
hiring Front-End Developers

”

“

The versatility in knowledge of the candidates and the wide range of profiles shared were particularly impressive. Thank you again for your assistance.



Nishant Gandhi

Talent Attraction Specialist at
FiftyFive Technologies,
hiring Front-End, Back-End, Full-
Stack Developers, Java Developers

”

“

Collaborating with Coding Ninjas has been a highly positive experience. A significant portion of our recruits came from their pools of talent. They quickly understood the job specifications and have been consistently delivering top-notch candidates across various tech stacks.



Apporva Ghate,

Senior Consultant at 1Silver Bullet,
hiring Python Developers

”

Your dedicated Success Partner (Relationship Manager)

Each Certification Program student is assigned a dedicated Success Partner.

A Success Partner actively contributes to your success and the effectiveness of the learning program, while fostering a supportive and engaging environment for you.

Roles and Responsibilities of a Success Partner:

- Provides support to learners throughout their 9-month learning journey.
- Provides timely responses to inquiries, feedbacks or escalations, ensuring learners receive the support they need when they need it most.
- Tracks your progress and ensures you receive the personalised support to achieve your learning goals and maintain momentum to complete the course.

How to seek assistance?

1 After onboarding, your Success Partner will be in touch with you for the rest of the certification program.

2 Whenever you have any queries, you can call our Support Team from Monday to Saturday 10 AM to 7 PM.

3 Support Team Contact: 7042333688

4 Alternatively, you can also create a customer support ticket by sending an email to support@codingninjas.com.

5 Once a ticket is created you will be contacted by a representative.



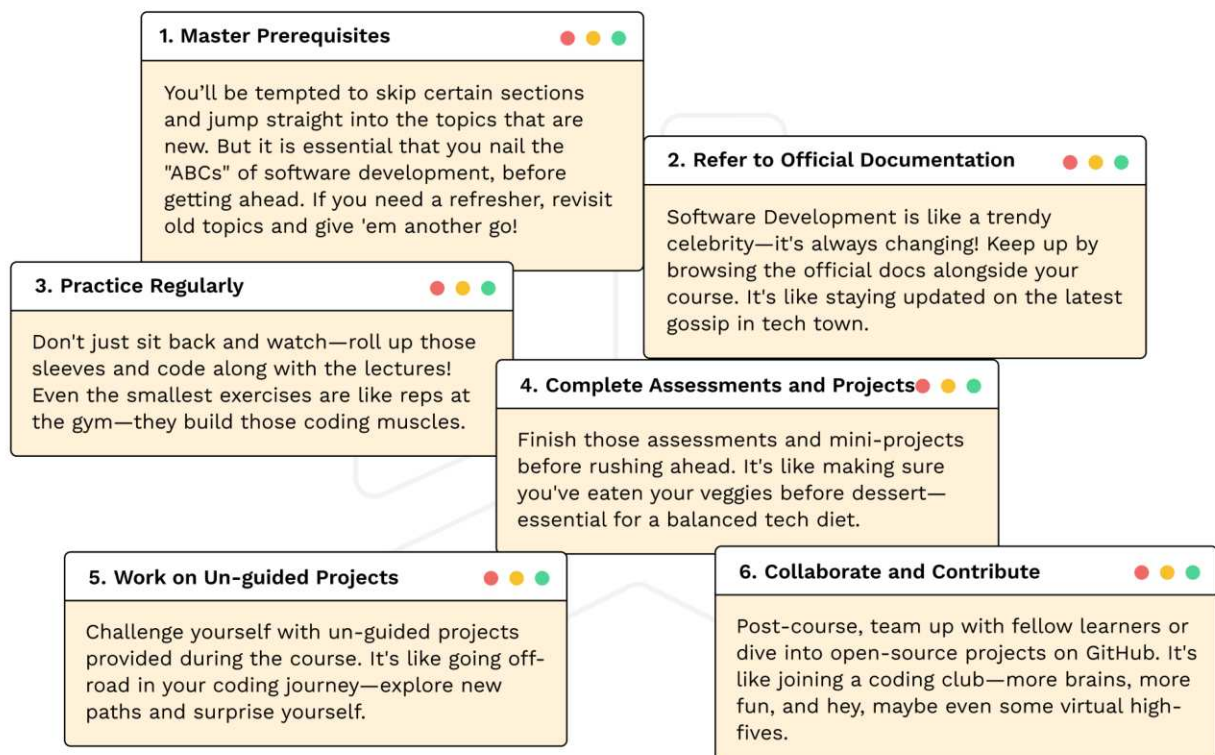
A note from the faculty

Dear Students,

I hope you are excited to embark on this amazing journey ahead! As you prepare to dive into this fascinating world of software development, here are some things you should keep in mind to make the most of this Certification Program.



----- cut and save it



Remember, learning should be enjoyable and rewarding! Approach each lesson with enthusiasm and a sense of adventure. If you ever need guidance or have questions along the way, don't hesitate to reach out.

Wishing you all the best on your journey. Happy coding!

Warm regards,
Coding Ninjas Faculty

Curriculum for **your success**

Introduction to Programming (C++/Java/Python)

Basics of Programming
Loops and Functions

Arrays/Lists
Strings and 2D Lists

Data Structures & Algorithms (C++/Java/Python)

Problem Solving
Techniques
Object Oriented
Programming

Linear Data Structures
Trees
Advanced Data Structures
Dynamic Programming

Database Management System (DBMS)

Introduction to DBMS
Data Modeling
Entity-Relationship Model
Relational Model
SQL

Normalisation
Transactions
Classification of Databases
NoSQL Databases
Database optimisation

Aptitude Rounds

Numbers
Averages and Mixtures
Arithmetic and Word
Problems
Counting

Time, Speed and Distance
Reasoning
English
Data Interpretation
Miscellaneous Topics

Advice from our Alumni

The following notes have been collected and summarised from various Coding Ninjas Alumni after they completed the program.

We hope you can learn from their experiences and take inspiration to make the most of this opportunity.

Impostor Syndrome:

The Problem: I often felt like I didn't belong and doubted my abilities.

My Solution: I reminded myself that it's okay to not know everything and that learning is continuous. Seeking support from peers, faculty, mentors, and success managers helped me build confidence.



Shourya Gupta
Software Engineer at  Microsoft

Prioritising Skill Development:

The Problem: I found myself overly focused on securing a job over everything else.

My Solution: I shifted my focus to improving my core skills and building a strong foundation in programming, which ultimately helped me secure a top job.



Soumya Gupta
AVP Quality at  NatWest Group

Practising on Code 360:

The Problem: I did not fully leverage the resources available on Code 360.

My Solution: By using Code 360 for targeted practice I enhanced my problem-solving skills and coding proficiency. Code 360 is a free resource goldmine beyond your classroom learning.



Naman Jain
Software Engineer at  Microsoft

Time Management:

The Problem: I struggled with procrastination, leading to last-minute rushes to complete assignments and projects.

My Solution: Think quantitatively about your time. Break tasks into smaller steps, set deadlines, and prioritise. Eliminate distractions, and reward yourself for completing tasks on time.



Rahul Maurya
Lead Software Engineer at 

Utilizing Hint Videos and Teaching Assistants:

The Problem: I hesitated to seek help when I encountered challenging coding problems.

My Solution: By reaching out to Teaching Assistants and using hint videos, I clarified doubts and gained deeper insights into problem-solving. Asking for help is a strength.



Shourya Gupta
Software Engineer at  Microsoft

Maintaining Momentum with Coding Streaks:

The Problem: I struggled with consistency in my coding practice.

My Solution: I discovered the power of coding streaks—consecutive days of coding practice. By setting a daily coding goal, I built a habit and kept my skills sharp. This consistent effort improved my skills, confidence, and motivation.



Rahul Maurya
Lead Software Engineer at 

Trusting the Process:

The Problem: During moments of doubt, I struggled to trust the process and have faith in my journey.

My Solution: By staying committed to my goals, I overcame obstacles and achieved success, understanding that each experience contributes to my overall growth. Instead of avoiding challenges, I embraced them as opportunities to learn and grow.



Soumya Gupta
AVP Quality at  NatWest Group

Focus on problem solving:

The Problem: I felt I understood the concepts but couldn't solve problems.

My Solution: Along with listening to lectures, I practised high level questions frequently. If I got stuck at a particular level, I shifted a level down to regain confidence to solve. I kept following this process till I became a top coder.



Naman Jain
Software Engineer at  Microsoft

