

Course Name	Student Training and Internship Certification in Advanced Data Structures and Algorithms by IITM Pravartak
Course Name as on Certificate	Training and Internship Certification in Advanced Data Structures and Algorithms
Certificate Type	Training and Internship Certificate
Certificate Issued by	IITM Pravartak (Technology Innovation Hub of IIT Madras)
Course Objectives	<p>Master Advanced Data Structures and Algorithms (DSA) in 4 months.</p> <p>Develop problem-solving skills applicable to real-world scenarios.</p> <p>Gain industry-recognized certification to enhance employability.</p>
Eligibility	Students pursuing graduation.
Pre Requisites	Basic understanding of fundamental of mathematics and screening by counsellor
Target Segment	College students aiming to strengthen their programming and problem-solving skills.
Course Content	<p>Introduction to Programming (Java / C++ / Python):</p> <ul style="list-style-type: none"> • Basics of Programming • Loops and Functions • Arrays/Lists • Strings and 2D Lists <p>Data Structures & Algorithms</p> <p>Dynamic Programming</p>
Pedagogy	<p>Blended learning with self-paced content and guest lectures by IIT faculty.</p> <p>Hands-on projects for practical application.</p> <p>1:1 live doubt resolution with over 1,000 teaching assistants.</p> <p>Access to Open Source Clubs and professional networks.</p>

Assessment	<p>Regular assignments and evaluations.</p> <p>Project-based assessments to demonstrate practical skills.</p> <p>Mock interviews and resume reviews.</p>
Programme Faculty	<p>Ankush Singla: Co-Founder & Instructor IIT Delhi, Ex-Amazon, Ex-Meta, Stanford University</p> <p>Nidhi Aggarwal: Instructor IIIT Delhi</p>
Duration	4 months (access to course content for 8 months from batch start date).
Class schedule	Blended format with self-paced content and guest lectures.
Programme Highlights/USPs	<p>On successful completion of the programme, you will:</p> <ul style="list-style-type: none"> Earn a prestigious certification from IITM Pravartak. Possess in-demand skills in Advanced Data Structures and Algorithms. Have practical experience through real-world projects. Be prepared for technical roles in the industry. <p>Other Highlights:</p> <ul style="list-style-type: none"> Certification from IITM Pravartak. Orientation and graduation ceremonies at IITM Pravartak campus. Access to Coding Ninjas' Career Services. Personalized mentorship and doubt resolution. AI-infused curriculum co-designed with IIT faculty. 1:1 mock interviews and domain expert sessions. Profile building and resume review services. Access to a dedicated relationship manager for personalized support.

Other requirements:

Attach thumbnail and program brochure for the course

Registration link for the course: [IITM Student Training and Internship Certification in Advanced Data Structures and Algorithms](#)