Course Name	**Advanced certification in Data Structures and Algorithms**
Course Name as on Certificate	**Advanced certification in Data Structures and Algorithms**
Certificate Type	**Advanced Certification**
Certificate Issued by	**IITM Pravartak (Technology Innovation Hub of IIT Madras)**
Course Objectives	**Master Advanced Data Structures and Algorithms (DSA) in 4 months.** **Develop problem-solving skills applicable to real-world scenarios.** **Gain industry-recognized certification to enhance employability.**
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	**Introduction to Programming (Java / C++ / Python):** • **Basics of Programming** • **Loops and Functions** • **Arrays/Lists** • **Strings and 2D Lists** **Data Structures & Algorithms** **Dynamic Programming**
Pedagogy	**Blended learning with self-paced content and guest lectures by IIT faculty.** **Hands-on projects for practical application.** **1:1 live doubt resolution with over 1,000 teaching assistants.** **Access to Open Source Clubs and professional networks.**

Assessment	**Regular assignments and evaluations.** **Project-based assessments to demonstrate practical skills.** **Mock interviews and resume reviews.**
Programme Faculty	**Ankush Singla: Co-Founder & Instructor** **IIT Delhi, Ex-Amazon, Ex-Meta, Standford University** **Nidhi Aggarwal: Instructor** **IIIT Delhi**
Duration	**4 months (access to course content for learning post completion).**
Class schedule	**Blended format with self-paced content and guest lectures.**
Programme Highlights/USPs	**On successful completion of the programme, you will:** **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.** **Other Highlights:** **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: https://www.codingninjas.com/careercamp/iitm-student-training-and-internship-certification-dsa