Stanford ONLINE

Jun 3, 2023

Priyanka

has successfully completed the online, non-credit Specialization

Algorithms

In this specialization, learners developed a fundamental understanding algorithms and data structures. Learners studied general algorithm design paradigms and their applications, including divide-and-conquer, greedy methods, and dynamic programming; how to use data structures; and how to recognize and tackle NP-hard problems. Learners completed quizzes and programming assignments, and took an exam for each course. Some online courses may draw on material from courses taught on-campus but they are not equivalent to on-campus courses. This statement does not affirm that this participant was enrolled as a student at Stanford university in any way. It does not confer a Stanford university grade, course credit or degree, and it does not verify the identity of the participant.

Divide and Conquer, Sorting and Searching, and Randomized Algorithms

Graph Search, Shortest Paths, and Data Structures

Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming

Shortest Paths Revisited, NP-Complete Problems and What To Do About Them

Tim Roughgarden
Associate Professor of
Computer Science
Stanford University

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