



5 Courses

Mathematical Thinking in  
Computer Science

Combinatorics and  
Probability

Introduction to Graph  
Theory

Number Theory and  
Cryptography

Delivery Problem



Jan 5, 2023

**SANDIPAN DEY**

has successfully completed the online, non-credit Specialization

# Introduction to Discrete Mathematics for Computer Science

Discrete Math is needed to see mathematical structures in the object you work with, and understand their properties. This ability is important for software engineers, data scientists, security and financial analysts (it is not a coincidence that math puzzles are often used for interviews). We cover the basic notions and results (combinatorics, graphs, probability, number theory) that are universally needed.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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