

# TIP102 | Intermediate Technical Interview Prep

Intermediate Technical Interview Prep Fall 2024 (@ Section 1 | Tuesdays and  
Thursdays 5PM - 7PM PT)  
Personal Member ID#: 111572

Don't forget to fill out the **Session Survey** at the end of each class session!

## Unit 11: Graphs II

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This week we will take a deeper dive into common graph algorithms, modifying the base BFS and DFS traversal algorithms to solve more complex problems. We will also introduce techniques for identifying problems that are not explicitly framed as graph problems but can be transformed into a graph problem and solved using similar techniques. Advanced students will explore additional graph algorithms including Dijkstra's and topological sort.

### Unit 11 Learning Goals

By the end of this unit, you will be...

- ☐ Recognizing problems that can be solved using graph algorithms
- ☐ Familiar with common indicators that BFS, DFS, or both can be used to solve a problem
- ☐ Modifying BFS and DFS algorithms to solve intermediate graph problems