

# DSA Project Report

24B1012, 24B1010, 24B0929

November 2025

- 1 Directory Structure**
- 2 Makefile and Targets**
- 3 Assumptions**
- 4 Test Case and Analysis**
- 5 Python Scripts and Libraries**
- 6 Time and Space Complexity**
- 7 Approach for Each Query**
- 8 Phase 3 Explanation**