**Design and Analysis of Data Structures and Algorithms (Java)**

By Abhimanyu Kumar (Gurug)

7.5 years’ experience in core development

**A Chance to switch from service to product based organization**.

Timing: 8am to 1pm & 3pm-8pm (Saturday & Sunday) Duration: 5.5 months(Max)

Batch start: 1Apl,2018 (20 seat only)

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| **Data Structures** | **Algorithms:** |
| 1. Analysis of Algorithms(complexity) | 1. Array |
| 2. Recursion | 2. Searching Algorithms |
| 3. Movement of reference | 3. Sorting Algorithms |
| 4. Design and analysis of Nodes | 4. Greedy Algorithms |
| 5. Linked List (all list) | 5. Dynamic Programming |
| 6. Stack | 6. Backtracking Algorithms |
| 7. Queue | 7. Divide and Conquer Algorithms |
| 8. Binary Tree | 8. Branch and Bound Algorithms |
| 9. Binary Search Tree | 9. Pattern Searching Algorithms |
| 10. Mixed List and Tree | 10. String Algorithms |
| 11. Heap | 11. Geometric Algorithms |
| 12. Hashing | 12. Mathematical Algorithms |
| 13. Mixed Hashing &Tree | 13. Bit Algorithms |
| 14 Mixed List, Tree & Hashing | 14. Matrix |
| 15. Graph | 15. Randomized Algorithms |