

Segment Trees

Special class





CODECHEF

New Batches (Software Engineering), JOIN NOW

System Design :

LLD and HLD with Real World Case Studies

Computer Fundamentals :

OS, DBMS & Networking Mastercourse

Backend Development :

From Fundamentals to Career Readiness

Full Stack Development :

From Fundamentals to Career Readiness



Join Our EXCLUSIVE BATCHES (Software Engineering)

Resolve to
become an
Expert level
Programmer in
2021 and
Subscribe at an
expense even
lesser than
INR 90/day

SYSTEM DESIGN

**2 MONTHS
COURSE**

LLD and HLD with
Real World Case
Studies

LIVE ON **21 JUNE 2021**



COMPUTER FUNDAMENTALS

**2 MONTHS
COURSE**

OS, DBMS &
Networking
Mastercourse

LIVE ON **22 JUNE 2021**



BACKEND DEVELOPMENT

**4 MONTHS
COURSE**

From Fundamentals to
Career Readiness

LIVE ON **21 JUNE 2021**



FULL STACK DEVELOPMENT

**4 MONTHS
COURSE**

From Fundamentals to
Career Readiness

LIVE ON **21 JUNE 2021**



TENTATIVE TOPIC WISE COURSE STRUCTURE

System Design Part 1- LLD

Class No. 1

Introduction to System Design- Importance of System Design and Interview Aspects of it

Class No. 2-3

LLD: Introduction and Design Principles- OOP and SOLID

Class No. 4-6

Design Patterns: Creational, Behavioral and Structural DPs

Class No. 7-8

LLD Case Studies and Real World Design Problems for Interview Readiness

TENTATIVE TOPIC WISE COURSE STRUCTURE

System Design Part 2- HLD

Class No. 9-10

HLD- Introduction to High Level Design and **Web Application Architecture**

Class No. 11 -12

Distributed Systems:
Latency, Throughput, Availability, Consistency, Redundancy, CAP Theorem

Class No. 13

Scalability: Vertical/ Horizontal Scaling, Load Balancing

Class No. 14 -15

Databases: NoSQL, Indexing, Partitioning, Polyglot Databases, Denormalization

Class No. 16-17

Performance Optimization, Security and Communications

Class No. 18 -20

HLD Case Studies:
Real-life implementation of applications built by FAANG companies

TENTATIVE TOPIC WISE COURSE STRUCTURE

Computer Fundamentals

Class No. 1-4

Computer Networks-
Introduction, Transport
Layer, Network Layer &
App Communication

Class No. 5-8

DBMS/ RDBMS:
Modernization, Queries
and Use Cases

Class No. 9-11

Operating Systems:
Concept to Detail to
Tackle Interview
Questions

Class No. 12-13

**Object Oriented
Programming (OOP):**
Principles and
Implementation

TENTATIVE TOPIC WISE COURSE STRUCTURE

Interview Batch for College Students

Week 1-2

Sorting & Searching :
Complex Applications
for Interviews

Week 3

**Two Pointers and
Bit Manipulation**

Week 4

Backtracking-
Classical & FAANG
Interview Problems

Week 5 - 7

**Basic Data
Structures-**
Handpicked Problems
for Interviews

Week 8 - 11

**Advanced Data
Structures and
Square Root
Decomposition**

Week 12 -14

String Algorithms-
Concept to Detailed
Applications

TENTATIVE TOPIC WISE COURSE STRUCTURE

Interview Batch for College Students

Week 15

Game Theory and
Greedy Algorithm

Week 16-18

Advanced Dynamic
Programming: Learn
Complex
Implementations

Week 19-21

Graph Algorithms-
Tackling Complex
Interview Questions

Week 22-24

Interview Problems
asked in FAANG/
top product
companies

TENTATIVE TOPIC WISE COURSE STRUCTURE

Backend Development with System Design

Week 1-3

LLD Core Principles,
Design Patterns and
Real-World Case
Studies

Week 4-5

HLD, Web Application
Architecture,
Distributed Systems,
Scalability

Week 6-7

Databases,
Performance
Optimization, Security,
Communication and
Case Studies

Week 8

MVC Architecture

Week 9-11

Data Handling and
Databases in Web
Development

Week 12-15

Web Backend, Rest
APIs and Project
Building

TENTATIVE TOPIC WISE COURSE STRUCTURE

Full Stack Development with System Design

Week 1-3

LLD Core Principles,
Design Patterns and
Real-World Case
Studies

Week 4-5

HLD, Web Application
Architecture,
Distributed Systems,
Scalability

Week 6-7

Databases,
Performance
Optimization, Security,
Communication and
Case Studies

Week 8

Web Fundamentals
and HTML

Week 9-10

CSS Layouts, Real
World Implementation
of HTML and CSS

Week 11-15

JavaScript Principles,
React, React Hooks,
Redux and Project
Building

EXPLORE



"

earnings



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amount