**Notes by RK**

**Link for all the notes shared till now :   
  
1. DP notes -**[**https://lnkd.in/dm4ufFzU**](https://lnkd.in/dm4ufFzU) **2. OOPS notes -**[**https://lnkd.in/dYxmy3Rk**](https://lnkd.in/dYxmy3Rk) **3. DBMS/SQL notes -**[**https://lnkd.in/dE9-xfBA**](https://lnkd.in/dE9-xfBA) **4. Programming in C/C++ -**[**https://lnkd.in/dA2eAXbM**](https://lnkd.in/dA2eAXbM) **5. Git/GitHub-**[**https://lnkd.in/d-84pa9e**](https://lnkd.in/d-84pa9e) **6. HTML/CSS/JavaScript -**[**https://lnkd.in/dQXfVQrb**](https://lnkd.in/dQXfVQrb) **7. Operating system -**[**https://lnkd.in/dqwJNefd**](https://lnkd.in/dqwJNefd) **8. C++ STL -**[**https://lnkd.in/dUXsz43B**](https://lnkd.in/dUXsz43B) **\*\* Resources for preparation of placements-**[**https://lnkd.in/d6zpHj4P**](https://lnkd.in/d6zpHj4P)**\*\***

**Resources that helped me during my preparation:-**

* C++ by[**Code with harry**](https://www.youtube.com/playlist?list=PLu0W_9lII9agpFUAlPFe_VNSlXW5uE0YL)
* DSA by [**Abdul Bari**](https://www.youtube.com/playlist?list=PLDN4rrl48XKpZkf03iYFl-O29szjTrs_O)
* Dynamic Programming, Stack & Heap by [**Aditya Verma**](https://www.youtube.com/playlist?list=PL_z_8CaSLPWekqhdCPmFohncHwz8TY2Go)
* LinkedList by[**Lead Coding**](https://www.youtube.com/c/LeadCoding)
* Trees and Graph by[**takeUforward**](https://www.youtube.com/c/takeUforward)
* Web development by [**Code with Harry**](https://www.youtube.com/playlist?list=PLu0W_9lII9agiCUZYRsvtGTXdxkzPyItg)
* Segment trees and STL by **[CodeBuddy](https://www.youtube.com/channel/UC8Is5LaVSoiO4DYmgi11kfw" \t "_blank)**
* Arrays, strings by**[CodeNCode](https://www.youtube.com/c/CodeNCode" \t "_blank)**

# Resources-for-preparation-Of-Placements (Lecture video links)

# Programming Language Used : C

* Programming in C = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9aiXlHcLx-mDH1Qul38wD3aR)
* DS-ALGO = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9ahIappRPN0MCAgtOu3lQjQi)
* Analysis of Algorithms = [Abdul Bari](https://www.youtube.com/playlist?list=PLDN4rrl48XKpZkf03iYFl-O29szjTrs_O)

# Programming Language Used : C++

* Programming in C++ = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9agpFUAlPFe_VNSlXW5uE0YL)
* ARRAYS = [Edutainment 1.0](https://www.youtube.com/playlist?list=PLDA2q3s0-n17lGt6HyexWP0zR1yISc1km)
* STRING = [CodeNCode](https://www.youtube.com/playlist?list=PL2q4fbVm1Ik6ThrYKCzgEpmaS_XWDGHjx)
* BINARY SEARCH = [TakeuForward](https://www.youtube.com/playlist?list=PL_z_8CaSLPWeYfhtuKHj-9MpYb6XQJ_f2)
* DP =
  + [Aditya Verma](https://www.youtube.com/playlist?list=PL_z_8CaSLPWekqhdCPmFohncHwz8TY2Go)
  + [TakeuForward](https://www.youtube.com/playlist?list=PLgUwDviBIf0qUlt5H_kiKYaNSqJ81PMMY)
* STACK = [Aditya Verma](https://www.youtube.com/playlist?list=PL_z_8CaSLPWdeOezg68SKkeLN4-T_jNHd)
* HEAP= [Aditya Verma](https://www.youtube.com/playlist?list=PL_z_8CaSLPWdtY9W22VjnPxG30CXNZpI9)
* SLIDING WINDOW= [Aditya Verma](https://www.youtube.com/playlist?list=PL_z_8CaSLPWeM8BDJmIYDaoQ5zuwyxnfj)
* RECURSION , BACKTRACKING = [TakeuForward](https://www.youtube.com/playlist?list=PLgUwDviBIf0rGlzIn_7rsaR2FQ5e6ZOL9)
* TREES = [TakeuForward](https://www.youtube.com/playlist?list=PLgUwDviBIf0q8Hkd7bK2Bpryj2xVJk8Vk)
* GRAPHS = [TakeuForward](https://www.youtube.com/playlist?list=PLgUwDviBIf0rGEWe64KWas0Nryn7SCRWw)
* LINKEDLIST = [Lead Coding by FRAZ](https://www.youtube.com/playlist?list=PLKZaSt2df1gz775Mz-2gLpY9sld5wH8We)
* TRIE = [TakeuForward](https://www.youtube.com/playlist?list=PLgUwDviBIf0pcIDCZnxhv0LkHf5KzG9zp)
* SEGMENT TREE = [CodeBuddyOfficial](https://www.youtube.com/watch?v=SzLf8DvwIxI&ab_channel=CodeBuddyOfficial)
* STL = [CodeBuddyOfficial](https://www.youtube.com/playlist?list=PLhUBmaJES_g-41r_z-kMGWqQ4Iz-z7Oyo)
* HASHING = [Hello World](https://youtube.com/playlist?list=PLzjZaW71kMwQ-D3oxCEDHAvYu8VC1XOsS)
* COMPETITIVE PROGRAMMING = [LUV](https://www.youtube.com/playlist?list=PLauivoElc3ggagradg8MfOZreCMmXMmJ-)

# Programming Language Used : JAVA

* Programming in JAVA = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9agS67Uits0UnJyrYiXhDS6q)
* DS ALGO =
  + [Kunal Kushwaha](https://www.youtube.com/playlist?list=PL9gnSGHSqcnr_DxHsP7AW9ftq0AtAyYqJ)
  + [Pepcoding](https://www.youtube.com/c/Pepcoding)
  + [Durga Sir](https://youtube.com/playlist?list=PLd3UqWTnYXOmx_J1774ukG_rvrpyWczm0)
  + [Anuj Bhaiya](https://www.youtube.com/playlist?list=PLUcsbZa0qzu3yNzzAxgvSgRobdUUJvz7p)

# Programming Language Used : Python

* Programming in Python = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9agICnT8t4iYVSZ3eykIAOME)
* DS-ALGO = [Amulya's Academy](https://www.youtube.com/playlist?list=PLzgPDYo_3xukPJdH6hVQ6Iic7KiJuoA-l)

# Placement Series

* C++ = [CodeHelp - by Babbar](https://www.youtube.com/playlist?list=PLDzeHZWIZsTryvtXdMr6rPh4IDexB5NIA)
* JAVA = [Kunal Kushwaha](https://www.youtube.com/playlist?list=PL9gnSGHSqcnr_DxHsP7AW9ftq0AtAyYqJ)
* JAVA = [Pepcoding](https://www.pepcoding.com/resources/)
* PYTHON = [Devsnest](https://www.youtube.com/playlist?list=PLqcJACtjWm_Xk_9rMh4lQLOfW2E6SAxsF)

# Computer Science Fundamentals

* DataBase and Management System (DBMS) = [Gate Smashers](https://www.youtube.com/playlist?list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOkT2Y)
* Operating System (OS) = [Gate Smashers](https://www.youtube.com/playlist?list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p)
* Computer Networks (CN) = [Gate Smashers](https://www.youtube.com/playlist?list=PLxCzCOWd7aiGFBD2-2joCpWOLUrDLvVV_)
* Object Oriented Programming System (OOPS) =
  + Java : [ApnaCollege](https://www.youtube.com/watch?v=bSrm9RXwBaI&ab_channel=ApnaCollege)
  + C++ : [FreeCodeCamp.org](https://www.youtube.com/watch?v=wN0x9eZLix4&ab_channel=freeCodeCamp.org)
  + Python : [Telusko](https://www.youtube.com/watch?v=qiSCMNBIP2g&ab_channel=Telusko)
* Theory Of Computation (THOC) = [Neso Academy](https://www.youtube.com/playlist?list=PLBlnK6fEyqRgp46KUv4ZY69yXmpwKOIev)
* Software Engineering (SE) = [Gate Smashers](https://www.youtube.com/playlist?list=PLxCzCOWd7aiEed7SKZBnC6ypFDWYLRvB2)

# Designing

* SYSTEM DESIGN =
  + [Gaurav Sen](https://www.youtube.com/playlist?list=PLMCXHnjXnTnvo6alSjVkgxV-VH6EPyvoX)
  + [SudoCode](https://www.youtube.com/playlist?list=PLTCrU9sGyburBw9wNOHebv9SjlE4Elv5a)
* LOW LEVEL DESIGN = [Soumyajit bhattacharya](https://www.youtube.com/playlist?list=PL12BCqE-Lp650Cg6FZW7SoZwN8Rw1WJI7)

𝗦𝗼𝗺𝗲 𝗥𝗲𝘀𝗼𝘂𝗿𝗰𝗲𝘀 𝘁𝗼 𝗸𝗶𝗰𝗸-𝘀𝘁𝗮𝗿𝘁 𝘆𝗼𝘂𝗿 𝗗𝗦𝗔 𝗝𝗼𝘂𝗿𝗻𝗲𝘆  
  
  
𝐓𝐢𝐦𝐞 & 𝐒𝐩𝐚𝐜𝐞 𝐂𝐨𝐦𝐩𝐥𝐞𝐱𝐢𝐭𝐲 𝐀𝐧𝐚𝐥𝐲𝐬𝐢𝐬: <https://lnkd.in/dJ7m5-bu>  
  
  
𝐁𝐚𝐬𝐢𝐜 𝐂𝐨𝐧𝐜𝐞𝐩𝐭𝐬 𝐨𝐟 𝐚𝐥𝐥 𝐃𝐒: <https://lnkd.in/d8w6V67A>  
  
  
𝐒𝐨𝐫𝐭𝐢𝐧𝐠 𝐀𝐥𝐠𝐨𝐬: <https://lnkd.in/dmYxP6K7>  
  
  
𝐃𝐲𝐧𝐚𝐦𝐢𝐜 𝐏𝐨𝐫𝐠𝐫𝐚𝐦𝐦𝐢𝐧𝐠: <https://lnkd.in/dNc2dzkd>  
  
  
𝐑𝐞𝐜𝐮𝐫𝐬𝐢𝐨𝐧: <https://lnkd.in/dnarMJXu>  
  
  
𝐁𝐢𝐧𝐚𝐫𝐲 𝐒𝐞𝐚𝐫𝐜𝐡 <https://lnkd.in/d_Jt6Z5f>  
  
  
𝐇𝐚𝐬𝐡𝐢𝐧𝐠: <https://lnkd.in/dWjp5cXh>  
  
  
𝐒𝐥𝐢𝐝𝐢𝐧𝐠 𝐖𝐢𝐧𝐝𝐨𝐰 𝐓𝐞𝐜𝐡𝐢𝐧𝐪𝐮𝐞: <https://lnkd.in/dP_Kt5X5>  
  
  
𝐓𝐫𝐞𝐞𝐬: <https://lnkd.in/dpnt2Qrb>  
  
  
𝐆𝐫𝐚𝐩𝐡𝐬: <https://lnkd.in/diszFUh7>  
  
  
𝐓𝐫𝐢𝐞: <https://lnkd.in/dpG9wq5J>

# Projects

* WEB DEVELOPMENT = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9agiCUZYRsvtGTXdxkzPyItg)
* DATA SCIENCE = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9agK8pojo23OHiNz3Jm6VQCH)
* MACHINE LEARNING = [Code with Harry](https://www.youtube.com/playlist?list=PLu0W_9lII9ai6fAMHp-acBmJONT7Y4BSG)

# ADD- ONS

* <https://github.com/seanprashad/leetcode-patterns>
* <https://github.com/ShrutiSharma01/Grokking-the-Coding-Interview-Patterns>
* <https://github.com/kunal-kushwaha/DSA-Bootcamp-Java>