DSA Masterclass

Language ⟶ Python, JS
& any other

Why ??

Optimise code ⟵ time↓↓ Space↓↓ ⟶ 3-years

MNC's ⟶ Google, Microsoft
Meta, Amazon

Product based companies

Startup

Service based
Companies

Ola, Uber,
Paytm

Easy DSA

Array

String

Wipro,

Matrix

Infosys, Cognizant,

TCs

Map/Set

P1

Two Pointers

Linear

Basic Algorithm (Searching & Sorting)

↳ Bubble,

Selection,

Insertion
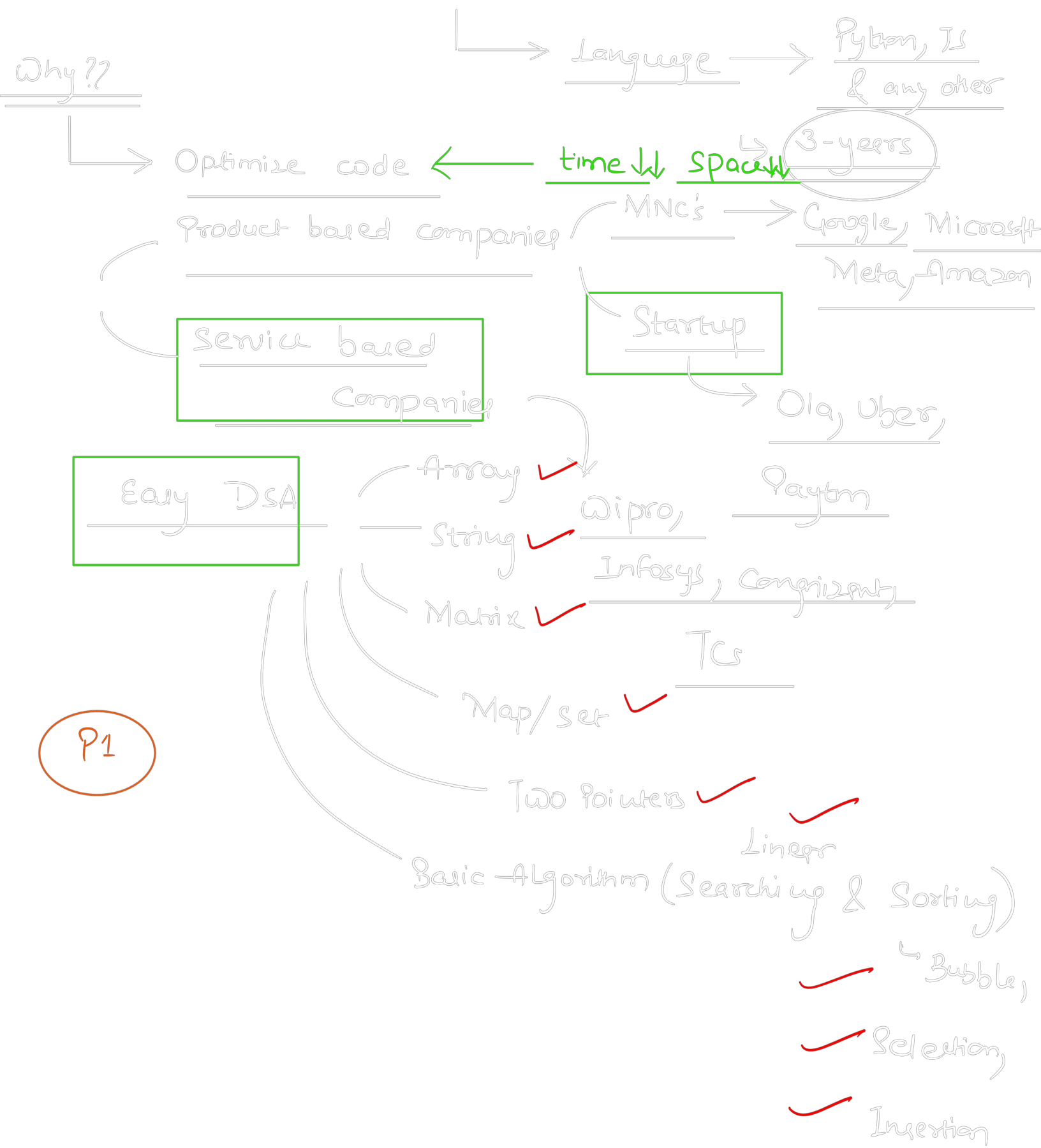
X X X

Intermediate DSA

- Binary Search
- Recursion → Recurrence Relation
- Linked List   Solving
- Stack & Queue
- Binary Tree & BST
- Divide & Conquer

(P2)

X X X

Advance DSA

→ Greedy Algorithm   Google, Amazon, Meta etc.

→ Heap Data Structure

→ Sliding Window

→ Advance Recursion & Backtracking

→ Dynamic Programming

→ Graph

(P3)

X X X

Miscellaneous DSA (Directly Codenation)

(P4)

- → Bit Manipulation
- → String Algorithm
- → Number Theory
- → Segment tree

Mixed Problems ⟶ **Leetcode Platform**

Self Learning

- → Cormen book (Github)
- → MIT Lectures
- → Playlist (DSA with Python)

LIVE → Explore course

How to study ??

Programming
- Java
- Python
- Js or any other

Discipline
- Recorded (Youtube)
- LIVE

Notes
- Write it down

Practice & Revision
- Leetcode
- Notes