

Project Topic	Data Structures Used
Search Engine using Knowledge Graph	Graphs, Trees, Heaps
Maze Creator and Solver	Graphs, Trees
Custom Search Engine	Trie, Inverted Index, Hash table
Simplified-Version-Control-System	Graphs, Linked List ,Arrays, Stack
Metro Map using shortest path algorithm	Graphs
product sentiment analyser	Trees
Maze Solver	DFS, Graphs
Corporate Management Hub	B+ trees, Heap, Trie, Graphs

Realtime Formula F1 Racing Scorecard and Data Analytics	Heaps, Graphs
Resistive Circuit Analyzer	Graphs, Trees
Dynamic route Optimizer	Graphs
Online Fight Booking System	Priortiy Queues,Hash Tables
Question Paper Generator	Hash Table,Dynamic Array
Courses and classroom management systems	Trees and Heaps
Huffman HyperTree: Path Optimization & Lookup Enhancement	HashMap Huffman Tree (Binary Tree, Balanced Binary Tree) Encoding/Decoding Mappings

Cash Flow minimizer	Graphs
CDN Load Balancer	Linked List, Graph, Hash Map, Queue
EduEnroll	Priority Using Heap
Railway reservation/booking system	linked lists ,queue,tree
Friendfolio	Graph ,Array, file handling
hospital emergency room management system	Heap, Priority queue
Bus Reservation System	Trees, Graphs, Linked List, Arrays
Binary Search Tree implementation for ordered map in c	Trees

Event space reservation system	Linked list,tree
Health Care Locator	AVL Tree, Graph, Heap
Path finding visualiser	queue, dijkstra ,bfs,a star
Route_Wrangler	Graphs , Stacks , Array, Dijkstra's Algorithm(For shortest path)
Trip Trekker	Graphs,Dijkstra's Algorithm
Flight Route Tracker	Graphs & Dijkstra's Algorithm
Online bank management	Linked list and graph
FlyStayFinder	Graphs, heap, hashing

cinema tickets booking	Trees
Image Manipulation using Quad trees	Quadtrees,Array