

Implement depth first search algorithm. Use an undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure.

Implement Breadth First Search algorithm, Use an undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure.

Implement A star Algorithm for 8-Queens problem.

Implement A star Algorithm for 8-Puzzle problem.

Implement Greedy search algorithm for any of the following application Selection Sort & Minimum Spanning Tree.

Implement Greedy search algorithm for any of the following application - Single-Source Shortest Path Problem & Job Scheduling Problem.

Implement Greedy search algorithm for any of the following application Prim's Minimal Spanning Tree Algorithm & Kruskal's Minimal Spanning Tree Algorithm.

Implement Greedy search algorithm for any of the following application Kruskal's Minimal Spanning Tree Algorithm & Dijkstra's Minimal Spanning Tree Algorithm.

Implement a solution for a Constraint Satisfaction Problem using Branch and Bound and Backtracking for n-queen's problem or a graph coloring problem.

Develop an elementary chatbot for any suitable customer interaction application.

Implement any one of the following Expert System

- I. Hospitals and medical facilities
- II. Employee performance evaluation

III. Airline scheduling and cargo schedules

Create an EC2 instance using appropriate user authentication. Integrate MobaXTerm with the current running instance and demonstrate its application.

Create an EC2 instance using appropriate user authentication. Integrate PuttyGen with the current running instance and demonstrate its application.

Creating an Application in Salesforce.com using Apex Programming Language. Demonstrate an application to implement a simple calculator using Apex Programming Language.

Creating an Application in Salesforce.com using Apex Programming Language. Demonstrate an application to implement an incremental function (increase the value by 10) using Apex Programming Language.

Design and develop custom Application using Salesforce Cloud.

Develop and deploy a simple marker based AR app in which you have to write a C# program to play video on tracking a particular marker.

Develop a scene in Unity that includes a cube, plane and sphere. Create a new material and texture separately for three Game objects. Change the color, material and texture of each Game object separately in the scene. Write a C# program in visual studio to change the color and material/texture of the game objects dynamically on button click.

Develop a scene in Unity that includes:

- i. A cube, plane and sphere, apply transformations on the 3 game objects.
- ii. Add a video and audio source.