CCP Proposal

Project Title:

Visualizing Sorting Algorithm

Project Makers:

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Introduction & Objective:

The project aims to design and develop an interactive visualization tool for understanding and analyzing sorting algorithms. Sorting algorithms such as Bubble Sort, Insertion Sort, and Merge Sort will be represented visually. The goal is to make learning algorithms easier for students and enthusiasts by providing step-by-step visual demonstrations.

Scope of the Project:

The project will cover:
- Implementation of multiple sorting algorithms
- Step-by-step animation of the sorting process
- Performance comparison between different algorithms

Tools & Technologies:

- Programming Language: C
- Development Environment: DevC++

Expected Outcomes:

The expected outcomes of the project include:
- Improved understanding of algorithm complexity and efficiency
- Educational tool that can be used in classrooms