Swayam Pandey

Linkedin: linkedin.com/in/swayam-pandey
Github: github.com/swayam512
Email: swayampandey502@gmail.com
Mobile: +91-8077169604

SKILLS

- **Languages**: Java, C++, JavaScript, C, Python.
- **Frameworks**: HTML and CSS.
- **Tools/Platforms**: MySQL
- **Soft Skills**: Problem-Solving Skills, Team Player, Project Management.

PROJECT

Binary Search Tree - An efficient data structure for search engine June 2024

- Successfully developed a Binary Search Tree (BST) project, strengthening proficiency in tree-based data structures and algorithmic optimization.
- Implemented efficient search, insertion, and deletion operations using both recursive and iterative methods, with a focus on performance analysis.
- Gained hands-on experience with tree traversal algorithms (in-order, pre-order, post-order), enhancing problem-solving and coding capabilities.

Tech used: Data Structures and algorithm with C++.

TRAINING

Board Infinity – an online education and projects related platform. June 2024
Summer Training in Programming and DSA in C++

- Completed an industry-aligned program with Board Infinity, focusing on practical applications of data structures in software development.
- Explored real-world use cases of Binary Search Trees (BSTs) in search engines and indexing systems.
- Designed and implemented a BST-based search engine prototype to improve data retrieval performance and search efficiency.

Tech used: Data Structures and algorithm with C++.

CERTIFICATES

- Data Structures with C++ - Course by Board Infinity. June 2024
- Cloud Computing NPTEL Certificate. August 2024
- 30 Days of Coding: Completed Java course with 250 questions. January 2025

ACHIEVEMENTS

- Hackerrank 3 stars in Java and C++. June 2024
- Successfully identified and extracted crucial digital evidence from a Hard drive using FTK Imager. August 2024

EDUCATION

Lovely Professional University Punjab, India
Bachelor of Technology - Computer Science and Engineering Since August 2022

R.A.N Public School Rampur, Uttar Pradesh
Intermediate April 2020 - May 2022

R.A.N Public School Rampur, Uttar Pradesh
Matriculation April 2018 - March 2020