AANYA SINGHAL

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Education

Jaypee Institute of Information Technology, Noida	**2023 - 2027**
B.Tech in Computer Science & Engineering	*8.2/10 CGPA*
Deewan Public School	**2023**
12th Grade	*92.4 Percent*
Deewan Public School	**2020**
10th Grade	*97.2 Percent*

About

Enthusiastic B.Tech Computer Science student from Jaypee Institute of Information Technology, equipped with a solid foundation in software development, data structures, and algorithms. Proficient in multiple programming languages and passionate about tackling complex problems and developing cutting-edge, innovative software solutions. Eager to leverage technical skills and make meaningful contributions to significant software projects

Projects

Shopping Mart

- Developed a basic prototype of an Online Shopping Cart system in C++, utilizing data structures such as linked lists and stacks to manage cart details, orders, payments, and customer information. The system allowed customers to view product categories, select items, and manage their shopping cart, including adding or removing items before checkout. Upon completing a purchase, a bill was generated for payment. The administrator, as the super user, had full access to manage products, categories, and customer information, ensuring the system was well-maintained and updated with minimal manual effort.

Travel Ease

- Travel ease is a C-based travel agency management system designed to streamline travel planning and accommodation booking. It offers a user friendly interface for browsing travel options, selecting destinations, and booking accommodations like hotels and villas. The system features customisable itineraries, discounts based on seasons and festivals, a secure online payment gateway, and automatic billing with electronic receipts. To enhance customer engagement, it also includes a mini-game post-booking. Travel ease simplifies operations for both customers and agencies, revolutionizing travel booking with its seamless, secure and efficient processes.

Music Mingle (HTML, CSS, JS)

- Designed a music streaming website that transformed how users access and enjoy music. The platform offers on-demand access to a diverse catalog of songs, albums, and playlists, reflecting the evolution of music consumption. Key features include personalized playlists, enhanced discoverability, multi-platform accessibility, offline listening options, and social integration, ensuring a seamless user experience. The project highlights my ability to leverage digital technology to create innovative solutions for music enthusiasts.

Technical Skills

Languages: C, C++, Python, JavaScript
Backend: PHP
Frontend: HTML, CSS5
Clouds & Databases: MySQL
Concepts : DSA
Developer Tools: VS Code, GitHub

Algorithmic Competitions/Achievements

- Solved **250+** DSA problems ranging from easy to hard on GFG, Coding Ninjas and Leetcode, building problem-solving skills.