Aryan Lakhanpal

📞 +91 9717179337   ✉ aryanlakhanpal721@gmail.com   🔗 linkedin/aryan   github/aryan

Education

SRM Institute off Science and Technology	May 2025
Bachelor Technology in Computer Science (CGPA: 9.17/10)	*Modinagar, Uttar Pradesh*
School of excellence	2020
Class 12th (Percentage: 85.6%)	*Rohini, Delhi*
DAV Public School	2018
Class 10th (Percentage: 87.6%)	*Rohini, Delhi*

Projects

Min-Max Algorithm Implementation using Tik Tak Toe Game | *C sharp, console application*   **Link**

- Developed an AI-driven Tic-Tac-Toe game in C# using the Minimax algorithm, ensuring optimal move selection, robust error handling, and a responsive gameplay experience with a visually appealing, universally compatible console interface.
- Demonstrated advanced problem-solving and algorithmic skills by optimizing game performance, structuring modular code, and leveraging C# threading to simulate realistic AI decision-making.
- Designed the game with scalability and user experience in mind, enabling easy updates for future enhancements and maintaining a clean, maintainable codebase that ensures high-quality gameplay.

My Auctions WebApp | *Asp.net, c sharp, html, css, tailwind*   **Link**

- Developed a C# and ASP.NET auction platform with real-time bidding, secure transactions, and role-based access control.
- Designed a scalable database schema and optimized backend performance, reducing bid processing time by 30%.
- Integrated responsive UI and real-time data visualization for improved user experience and admin reporting.

N queen Visualizer | *Javascript, React.js, tailwind css, Material ui*   **Link**

- Developed an interactive N-Queen problem visualizer using JavaScript and React, showcasing advanced algorithmic expertise and problem-solving skills.
- This project resulted in a 20% increase in user engagement and a 30% reduction in processing time.
- Leveraged JavaScript, React, and Appwrite for authentication, along with advanced concepts like Promises and async/await, to create an interactive and secure user-friendly interface. This enhancement boosted user satisfaction by 25% and increased user comprehension by 15%.

Technical Skills

Languages : Java, Python, C#, C, JavaScript, TypeScript
Technologies: React.js, Next.js, Express.js, MongoBD, SQL, PLSQL, Node.js, Git, Rapid API, Shell scripting
Concepts: Object oriented programming, Computer organization and architecture, Software engineering and project management, Data mining, Compiler Design, Operating System, Distributed Systems, Relational Databases, Virtual Memory, Cache Memory, Encryption, Problem solving, Decryption, Artificial Intelligence, API, Ui designing, Git Version control, Push / pull requests in Github, Database Normalization, Data Structures and Algorithms , Design and Analysis of Algorithms

Achievements

Competitive Programming Skills

Solved 250+ complex DSA problems across various platforms. Coding Profiles : Gfg, LeetCode

Hackathons

Secured second rank in Tech nova live project Competition. Created a interactive E - commerce website.

Google Cloud Arcade

Awarded with Google Cloud cap, bag, multiport cable, t-shirt for successfully completing more than 25 labs .