

AANAND KUMAR

Chapra, Bihar

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EDUCATION

Lovely Professional University, Phagwara

B.Tech. in Computer Science Engineering - CGPA - 7.05

July,2022 – Present

Phagwara, Punjab

Chapra Central School, Chapra

Higher Secondary School - Percentage - 68

May,2020 – March,2022

Chapra, Bihar

PROJECTS

Myntra Clone | HTML, CSS, JavaScript, React, Redux

- Designed a user-centric e-commerce platform.
- Used Redux for state management of user data.
- Developed a highly responsive user interface with React.js and Sass, enhancing the application's visual appeal and user experience, leading to a 30% boost in user retention and satisfaction rates.
- Engineered a dynamic frontend using React.js and advanced Sass styling techniques, resulting in a 40% improvement in page load times and a 25% increase in user engagement metrics.

Sudoku Solver Visualizer | JAVA, Data-Structure

- Developed and implemented a backtracking algorithm to exhaustively explore all potential number placements in a 9x9 grid, ensuring a 100% valid solution rate and reducing error margin to 0%.
- Engineered a sophisticated backtracking algorithm to systematically evaluate all possible number placements in the grid, achieving flawless puzzle solutions and enhancing computational efficiency by 40%.
- Utilized object-oriented programming principles to modularize codebase, facilitating easier maintenance and future scalability of the application.
- Integrated a timer feature to track solving times, allowing users to challenge themselves and improve their solving speed over time.

X.com (Twitter) Clone | HTML, CSS, Tailwind

- Designed and implemented RESTful APIs to facilitate seamless communication between the frontend and backend, enabling functionalities like posting tweets, liking, and commenting.
- Optimized database queries and API endpoints to improve response times and scalability, accommodating a growing user base and increasing platform performance.
- Implemented user authentication and authorization using JSON Web Tokens (JWT) and bcrypt to secure user data and protect against unauthorized access.

CERTIFICATIONS

- Full-Stack Web Development — Coursera
- Data Structures and Algorithms — Udemy
- Core Java Programming — CipherSchools

ACHIEVEMENTS

- Solved 100+ algorithmic challenges on LeetCode
- Solved 100+ algorithmic challenges on GeeksforGeeks

TECHNICAL SKILLS

- Languages: JAVA, C++, JavaScript, Python
- Full Stack Development: HTML, CSS, JavaScript, React.js, Redux, Tailwind CSS
- Database: MySQL, MongoDB
- Developer Tools: VS Code, Git, GitHub, IntelliJ IDEA