

PIYUSH AGGARWAL

Aspiring Software Developer

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Professional Summary

I am an aspiring software developer with strong capabilities in both front-end and back-end development. My expertise lies in using JavaScript frameworks such as React and Node.js to build scalable applications. With a solid foundation in data structures and algorithms, I enjoy solving complex problems and learning through hands-on projects

Education

MAIT, Maharaja Agrasen Institute Of Technology B.Tech (CSE-DS)-GPA:8.8/10	Delhi 08/2024 - 05/2028
St. Lawrence Public School 10th (CBSE Board)-92%	Dilshad Garden, Delhi 04/2020 - 04/2021
Lovely Public Sr. Sec. School 12th (CBSE Board)-87%	PD.Vihar, Delhi 04/2022 - 04/2023




Skills

JavaScript • React • HTML • CSS • Data Structures • C/C++ • Node.js • Express.js • WebSockets • Socket.IO • MongoDB • SQL • Next.js • TypeScript • GitHub • Postman • PostgreSQL • Canva • Redux • Redux Toolkit



Projects

Real-Time Collaborative Whiteboard A digital canvas platform allowing users to draw, brainstorm, and share ideas instantly <ul style="list-style-type: none">Engineered a real-time collaborative drawing tool using WebSockets, enabling multi-user interaction on a shared canvas with sub-100ms latencyImplemented complex state management for geometric shapes and free-hand drawing using Canvas API, improving rendering efficiency by 15%Integrated PostgreSQL to persist user sessions and board metadata, ensuring seamless data recovery upon reconnection	01/2023 - 04/2023
Learning Management System (LMS) Learning Management System (LMS) using the MERN stack with enhanced user and admin management <ul style="list-style-type: none">Developed a scalable educational platform with role-based access control (RBAC) for Admins and StudentsIntegrated the Razorpay API for secure payment processing and Cloudinary for automated media optimization and cloud storageManaged global application state using Redux Toolkit, reducing prop-drilling and improving component re-render performance by 25%	05/2023 - 08/2023

Key Achievements

 Code X Hackathon Finalist Led a team of 4 to the finals (Top 10 out of 100+ teams) with 'Eco Health', a carbon-tracking PWA	 Academic Excellence Secured a CGPA of 8.8 in the first year	 Data Structures & Algorithms Achievement Solved 100+ problems across LeetCode using C++
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Interests

 Full Stack Web Development	 Data Structures And Algorithm
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