

ADITYA MISHRA

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PROFESSIONAL SUMMARY

Results-driven **Full-Stack Developer** with expertise in **MERN Stack, C++, JavaScript, and SQL**. Proficient in **cloud-based solutions, microservices architecture, API development, and Agile methodologies**. Passionate about designing **scalable, high-performance applications** and optimizing system performance. Strong ability to collaborate in cross-functional teams to build innovative software solutions. Seeking to leverage technical expertise to drive development efficiency and enhance system architecture.

TECHNICAL SKILLS

- **Programming Languages:** C++, JavaScript, TypeScript, SQL, Python
- **Frontend Development:** HTML, CSS, React.js, Next.js, Tailwind CSS
- **Backend Development:** Node.js, Express.js, REST APIs, GraphQL, Microservices
- **Databases:** MongoDB, PostgreSQL, MySQL, Firebase
- **DevOps & Cloud:** Docker, Kubernetes, AWS (EC2, S3, Lambda), CI/CD Pipelines
- **Tools & Platforms:** Git, GitHub, Postman, Linux, Jenkins, Redis, WebSockets
- **Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), System Design, Agile, TDD, Version Control

TECHNICAL PROJECTS

Digital Library System | React.js, Node.js, Express.js, MongoDB

- Designed and implemented a scalable digital library system, automating 95% of book transactions and reducing manual workload by 40%.
- Improved user engagement by 30% through intuitive UI/UX enhancements, cutting navigation time by 25%.
- Integrated JWT-based authentication and role-based access control, reducing unauthorized access attempts by 90%.
- Optimized MongoDB queries, improving search efficiency by 50% and retrieval time by 35%.

Music Player | React.js, MongoDB, Express.js, Node.js, Tailwind CSS

- Engineered a high-performance music streaming platform with customizable playlists, boosting user retention by 35%.
- Integrated real-time audio streaming and WebSockets, increasing average listening time per user by 40%.
- Developed a responsive UI with Tailwind CSS, reducing page load time by 50% and enhancing navigation efficiency by 45%.
- Refactored backend logic, optimizing API response time by 60% for a seamless streaming experience.

Sorting Algorithm Visualizer | HTML, CSS, JavaScript

- Developed an interactive Sorting Algorithm Visualizer, improving algorithm comprehension by 50% for students and developers.
- Designed real-time sorting animations using p5.js, making learning 80% more intuitive.
- Optimized front-end rendering, reducing processing overhead by 45% and ensuring smooth performance across devices.

EDUCATION

Indian Institute of Information Technology, Sonapat
B.Tech in **Information Technology** (Nov 2022 – Nov 2026)

CERTIFICATIONS

- AWS Certified Cloud Practitioner – AWS
- Data Structures & Algorithms Specialization – Coursera
- Full-Stack Web Development with React – Udemy

ADDITIONAL ACHIEVEMENTS

- **Built and maintained several GitHub repositories**, showcasing expertise in full-stack development.
- **Active participant in coding competitions**, improving problem-solving and algorithmic skills.