

Aditya Saw

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SKILLS

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| • Programming Languages: | C, C++,Java, SQL |
| • Libraries & Frameworks: | NodeJS, ExpressJS, Socket.IO, JWT, Redis, RESTful APIs |
| • Tools/Platforms: | Excel, Tableau, RStudio, VS Code, MySQL, MongoDB, Postman |
| • Business Acumen: | Data Analysis, Basic Business Awareness, Cross-Functional Collaboration |
| • Soft Skills: | Problem-Solving, Team Collaboration, Adaptability, Time Management Strategic Thinking, Leadership, Effective Communication |

EXPERIENCE

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| • Soul Interior – Social Media Analyst | December 20253– July 2024 |
| Freelancer | |
| • Developed and executed engaging social media content to increase brand awareness. | |
| • Designed and managed Meta and Google ad campaigns, leading to significant follower growth. | |
| • Implemented data-driven marketing strategies, improving organic reach and client conversion rates. | |

PROJECTS

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| • NexusChat – Real-Time Chat Application | June 2025 – July2025 |
| • Engineered a real-time chat platform enabling instant one-to-one and group communication using Socket.IO and Express.js, ensuring seamless bidirectional data flow. | |
| • Implemented secure user authentication and authorization through JWT tokens and bcrypt encryption, maintaining session integrity and data privacy. | |
| • Designed and structured MongoDB schemas for users, chats, and messages, optimizing data access and retrieval for high-performance communication. | |
| • Integrated advanced features including live typing indicators, online/offline user status, and message delivery acknowledgments, enhancing interactivity and responsiveness. | |
| • Optimized backend performance using Redis for session caching and deployed the API on Render for scalability and continuous availability. | |
| • Tech: Node.js, Express.js, MongoDB, Socket.IO, JWT, Redis, RESTful APIs, Backend Development. | |
| • InsightVault – AI-Powered Secure Notes & API System | April 2025 – May 2025 |
| • Developed a secure, scalable backend platform enabling users to create, store, and manage encrypted notes with user-level authentication and role-based access control. | |
| • Implemented robust authentication using JWT (access + refresh tokens), bcrypt password hashing, and Redis token blacklisting to ensure session security and fast validation. | |
| • Integrated Redis-based rate limiting and caching to optimize API performance, prevent abuse, and enhance response times for frequently accessed endpoints. | |
| • Implemented robust authentication using JWT (access + refresh tokens), bcrypt password hashing, and Redis token blacklisting to ensure session security and fast validation. | |
| • Designed modular RESTful APIs using Express.js and MongoDB for CRUD operations, audit logs, and usage analytics, supporting future scalability for enterprise integration. | |
| • Incorporated API monitoring and usage tracking for each endpoint, logging metrics such as call frequency, response latency, and authentication events. | |
| • Tech: Node.js, Express.js, MongoDB, Redis, JWT, bcrypt, Postman, RESTful APIs, Backend Security, Rate Limiting, Scalable API Design. | |

CERTIFICATIONS

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| • Nexus-Web Development | April 2025 |
| • Cloud Computing NPTEL | October 2024 |
| • Prompt Engineering for ChatGPT Vanderbilt University | July 2024 |
| • DSA-Self Paced GeeksforGeeks | March 2024 |

ACHIEVEMENTS

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| • Certificate of Excellence – InternsElite: | March 2024 |
| Received a Certificate of Excellence and a Letter of Recommendation (LOR) from NITH for outstanding performance during the InternsElite Data Analyst Training , recognizing excellence in data analysis, visualization, and real-world project execution using R and Tableau. | |
| • Represented LPU in Chess AIU North Zone (2024-2025) & Achieved 1950+ Blitz Rating: | February 2025 |
| Competed in classical and rapid formats, demonstrating sharp strategic thinking and high-level gameplay. at the All India University Chess Competition North Zone in Hisar, Haryana. | |

EDUCATION

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| Lovely Professional University | Punjab, India |
| Bachelor of Technology - Computer Science and Engineering; CGPA: 7.64 | August 2022- Present |
| Sree Ayyappa Public School | Bokaro, Jharkhand |
| Intermediate; Percentage: 95.80% | April 2019 — March 2021 |
| D.A.V. Public School | Dhanbad, Jharkhand |
| Matriculation; Percentage: 94.60% | April 2018 — March 2019 |