

# Aditya Saw

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## SKILLS

- **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

### - Soul Interior – Social Media Analyst

December 2023– 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

### - NexusChat – Real-Time Chat Application

June 2025 – July 2025

- 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

- Nexus-Web Development
- Cloud Computing || NPTEL
- Prompt Engineering for ChatGPT || Vanderbilt University
- DSA-Self Paced ||GeeksforGeeks

April 2025

October 2024

July 2024

March 2024

## ACHIEVEMENTS

### - 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

### Lovely Professional University

Bachelor of Technology - Computer Science and Engineering; CGPA: 7.64

Punjab, India

August 2022- Present

### Sree Ayyappa Public School

Intermediate; Percentage: 95.80%

Bokaro, Jharkhand

April 2019 – March 2021

### D.A.V. Public School

Matriculation; Percentage: 94.60%

Dhanbad, Jharkhand

April 2018 – March 2019