Atishay Jain

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SUMMARY

Computer Science undergraduate (2026) skilled in designing and shipping scalable web applications with the MERN stack, complemented by real-time systems built with Socket.IO for chat and live tracking use cases. Strong grounding in DSA, OOP, OS, and DBMS with a focus on clean code, reliability, and collaborative delivery.

EDUCATION

Shiv Nadar University   2022 – 2026
Bachelor of Technology in Computer Science and Engineering; ***CGPA: 7.61***   *Greater Noida, India*

Seth Anandram Jaipuria School
Central Board of Secondary Education   *Ghaziabad, India*

- **Class XII: 91.2%**   2021 – 2022
- **Class X: 96%**   2019 – 2020

PROJECTS

[GitHub] **Full-Stack E-Commerce Platform** | *MERN, JWT, Redis, Cloudinary, Tailwind CSS*
- Developed a scalable e-commerce system with product management, persistent shopping cart, and admin dashboard.
- Implemented secure authentication using JWT with Redis caching, improving login performance and reducing DB load.
- Created a responsive UI with React + Tailwind, ensuring optimized performance with Cloudinary CDN integration.
- Built custom, dynamic dashboards with React and charting libraries (e.g., Chart.js) to visualize sales metrics, user engagement, and operational KPIs, enabling data-driven business decisions.s

[GitHub] **Offensive Text Detection using NLP and Supervised Learning**
- Trained and evaluated Naive Bayes, Decision Tree, and SVM classifiers on a dataset of 4,957 tweets, achieving highest accuracy of 90% with SVM for detecting Hate Speech and Offensive Language.
- Engineered features using TF-IDF (500 terms), sentiment polarity (TextBlob), tweet length, offensive word count, and capital letter ratio to improve classification performance.
- Conducted error analysis on 514+ SVM misclassifications, using confusion matrices and example-level inspection to understand false positives and model behavior.

[GitHub] [Live Demo] **Real-Time Messaging App** | *MERN Stack, Socket.IO, GridFS*
- Engineered a low-latency chat application with secure login via Google OAuth and end-user presence tracking.
- Built WebSocket channels with Socket.IO for instant messaging and reliable communication.
- Integrated MongoDB GridFS to handle large media files securely and efficiently.

[GitHub] [Live Demo] **Real-Time Tracking App** | *Node.js, Socket.IO, Leaflet.js*
- Developed a GPS tracking platform visualizing real-time user locations on interactive maps using Leaflet.js.
- Built WebSocket backend with Socket.IO for live updates, ensuring data integrity and accurate disconnect handling.
- Applied modular design for scalability and adaptability in multi-user environments.

TECHNICAL SKILLS

Languages: Java, JavaScript, HTML, CSS, SQL, NoSQL
Frameworks/Tools: React, Node.js, Express, Socket.IO, WebRTC, Leaflet.js, Cloudinary, Material UI, Git
Concepts: REST APIs, Real-Time Communication, Authentication & Security (JWT, OAuth), Responsive Design, DevOps Fundamentals
Core CS: Data Structures & Algorithms, Operating Systems, Databases (DBMS), Computer Networks

LEADERSHIP & ACTIVITIES

- Hospitality Head, University Fest — Led cross-functional teams for 1,000+ attendees
- Active member of Sigree (Cooking Club), and Enchant (Fashion Club), collaborating with diverse communities.