

AMAN SALEEM

Software Engineer | DSA & Full Stack Developer (MERN)

📞 +91-9555303228 ✉ amansaleem9024@gmail.com [in linkedin.com/in/amansaleem](https://www.linkedin.com/in/amansaleem)

Summary

Software Engineering student with strong problem-solving skills in Data Structures and Algorithms and hands-on experience in full-stack development (MERN, Next.js). Built scalable systems involving real-time communication and cloud-based media pipelines. Seeking software engineering roles in product-based companies.

Skills

Programming: Java, JavaScript, C, Rust (Basics)

Web Development: React.js, Next.js, Node.js, Express.js, REST API Development, MongoDB

Databases: PostgreSQL, SQL

Core Concepts: Data Structures & Algorithms, OOP (Object-Oriented Programming), DBMS, Operating Systems, Problem Solving, Logical Thinking

Tools & Technologies: Git, GitHub, Version Control, Postman, Docker (Basics), GitHub Actions (CI/CD), AWS (EC2), NGINX, PM2, SSH, Debugging, Documentation

Projects

ClipFlow | *Electron, Next.js, Express (WebSockets), AWS S3, CloudFront* | [Live Demo](#)

- **Built a real-time screen recording and streaming system** using Electron with a custom desktop-to-cloud pipeline.
- **Implemented WebSocket-based communication** between Electron and Express for controlled session management.
- **Designed a scalable media pipeline:** local recording → AWS S3 → CloudFront CDN delivery.
- Used stream-based recording to handle large media efficiently without memory bottlenecks.
- Automated upload, processing, and cleanup workflows for reliable end-to-end execution.

Polaris | *Full Stack (Next.js, MERN, Clerk, GitHub API)* | [Live Demo](#)

- **Built a web-based AI development workspace** integrating GitHub repositories, enabling users to import and interact with projects inside a browser-based IDE.
- **Implemented repository parsing and file tree rendering** to replicate a VS Code-like structure for seamless code navigation.
- Integrated **context-aware AI assistant** capable of understanding full project state and providing in-place assistance during development.
- **Enabled real-time preview for React/Next.js applications**, allowing users to visualize changes alongside code interaction.
- Developed secure authentication and GitHub linking using Clerk and OAuth to manage user sessions and repository access.

Coding Profiles

- Solved 400+ DSA problems on LeetCode, GeeksforGeek and CodeChef.
- Proficient in arrays, trees, graphs, and dynamic programming.

Education

B.Tech in Computer Science and Engineering

2023 – 2027

JSS Academy of Technical Education

Class XII (ISC Board)

City Children's Academy

Percentage: 89.5%