

AKHILESH YADAV

Ayodhya, Uttar Pradesh

+91-7007976393

akhileshyadavji7007@gmail.com

LinkedIn

GitHub

LeetCode

Portfolio

EDUCATION

St. Andrews Institute of Technology and Management (MDU) July 2022 - July 2025 (Expected)
Bachelor of Computer Science Gurugram, Haryana

TECHNICAL SKILLS

Languages: C, C++, Java, HTML, CSS, JavaScript
Frameworks/Libraries: React.js, Bootstrap, Tailwind CSS, Hibernate, Socket.io
Developer Tools: Git, GitHub, VS Code, IntelliJ IDEA, Linux, Spring Boot
Databases: MySQL, MongoDB
Methodologies: Agile, Engineering Best Practices

EXPERIENCE

ECS Elcamino Software December 2024 - Present
Role - Associate System Engineer Gurugram, Haryana

- Developed backend services using Java and Spring Boot, ensuring **99.9% API uptime** with a robust, scalable, and secure architecture.
- Implemented RESTful services and Apache Geode caching, improving **frontend-backend communication efficiency by 30%** and reducing **database load by 40%** for faster data retrieval.
- Optimized real-time data search and analytics using Elasticsearch, achieving **99.5% query efficiency** across large datasets and enhancing system performance.

Intern at Cod Soft January 2024 - February 2024
Role - Software Development Gurugram, Haryana

- Architected and Integrated features for the Library Management System using C++.
- Improved system performance by optimizing the search algorithm, achieving a **20%** reduction in search time.
- Worked in a collaborative team to deliver high-quality software solutions.

PROJECTS

Real-time Whiteboard | JavaScript, HTML, CSS, Socket.io, IDE - VS Code December - 2024

- Built a real-time whiteboard for multi-user collaboration using Vanilla JavaScript and Socket.io, including features such as pencil with color options, eraser with sizes, sticky notes, sticky images, and board download functionality. **(85%)**
- Devised undo-redo functionality using arrays as stacks to manage user input and improve user experience with real-time drawing features. **(60%)**
- Leveraged **Socket.io** and **Node.js** events to reflect real-time changes across multiple users, ensuring smooth collaboration and synchronization. **(40%)**

Excel Clone | JavaScript, HTML, CSS, IDE - VS Code November - 2024

- Created a web-based Excel clone featuring a **2D** grid, formula evaluation, and UI customization using vanilla JavaScript and CSS. **(50%)**
- Built essential features like rows, columns, sheets, formula, and address bar, with custom functionality to mimic real Excel behavior. **(30%)**
- Implemented formula evaluation using DFS (**Depth-First Search**) algorithm and performed in-stack evaluation for efficient parsing and calculation of formulas, along with customizable text styles like font size, type, and alignment. **(20%)**

Sorting Algorithm Visualizer Web App | JavaScript, HTML, CSS, IDE - Eclipse January - 2025

- Orchestrated and deployed a real-time sorting algorithm visualizer using JavaScript, HTML, and CSS, showcasing algorithms like Merge Sort and Quick Sort. **(60%)**
- Engineered interactive features such as algorithm selection and **visualization** control, enhancing user engagement and the learning experience. **(25%)**

TECHNICAL SKILLS

Academic and Extracurricular Achievements

- AWS Certified Solutions Architect - Associate (Aug - 2024)**
- AWS Networking VoIP Security (2024)**