Hamsa Dixit

Bangalore

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EDUCATION

Dayanand Sagar Academy of Technology and Management   **Dec 2022 – Aug 2026**
*Computer Science and Engineering - **CGPA** - **8.46***   *Bangalore, India*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Computer Networks
- Database Management System (DBMS)
- OOPS Concept
- Web Development

PROJECTS

Connectify ⧉ | **MERN, Socket.io**   **Jan 2025**

- Engineered a real-time messaging platform using the MERN stack and Socket.IO, enabling instant text and image sharing.
- Implemented WebSockets for low-latency messaging, reducing message delay by **40%**.
- Integrated JWT authentication and bcrypt encryption, reducing unauthorized access attempts by **90%** over 6 months.
- Optimized MongoDB indexing and queries, cutting average query response time by **25%** and supporting up to **500** concurrent users.

TravelSphere ⧉ | **React.js**   **Feb 2025**

- Developed an interactive travel website using React.js, enhancing user experience for destination exploration.
- Integrated real-time travel APIs, automating content updates and reducing manual effort by **80%**.
- Leveraged React Hooks and Context API for state management, boosting UI responsiveness by **50%**.

Restaurant-App ⧉ | **MERN Stack**   **Aug 2024**

- Built a full-stack restaurant management system processing over **100** daily orders and **50** table reservations, achieving a **30%** boost in operational efficiency.
- Designed an admin panel for order tracking and table management, reducing order processing time by **40%** and cutting manual errors by **70%**.
- Optimized backend API calls and MongoDB queries, enhancing overall system performance.

INTERNSHIP

CodeSoft ⧉   **Dec 2023 – Jan 2024**
Programming in Java   *Remote*

- Completed three assigned projects, gaining hands-on experience in Java development.

TECHNICAL SKILLS

Languages: Java, C, JavaScript, SQL, NoSQL, HTML, CSS
Developer Tools: VS Code, IntelliJ IDEA
Technologies/Frameworks: Linux, GitHub, React.js, Node.js, Express.js, Git, MongoDB, RESTful APIs

EXTRACURRICULAR

CodePi Innovation Challenge ⧉   **Jan 2025**
Developed Science Arcade featuring 20+ games covering math, physics, chemistry, biology, and coding.

- Used HTML, React, Node.js, CSS, and JavaScript to create an interactive educational platform.

CERTIFICATIONS

- Complete Web Development Bootcamp - Udemy
- Programming in Java - NPTEL (Scored 60)