

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
- Database Management System (DBMS)
- OOPS Concept
- Computer Networks
- 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
- Blockchain and Applications - NPTEL