

# SAIMANIKANTA KARNATI

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## SUMMARY

Experienced Software Engineer with over 3 years of expertise in application development, testing, and optimization. Proven track record in leading the end-to-end development process, including planning, coding, and deploying core software modules. Skilled in object-oriented design and software architecture, with a focus on creating efficient, scalable, and maintainable solutions. Adept at debugging and project management, with a strong ability to deliver high-quality results under tight deadlines. A meticulous and collaborative team player, dedicated to driving innovation and contributing to organizational success.

## SKILLS

- JavaScript
- Java
- Spring Boot
- Vue Js
- CSS
- HTML
- MongoDB
- Express.js
- ReactJS
- Node.js
- SQL
- Meteor JS Framework
- Python
- Bootstrap
- C++ Programming
- Data Structures
- Git
- XML
- Software Development
- Design and Development
- Object-Oriented Programming
- SAP UI5
- Playwright

## EXPERIENCE

### FULLYINCONTROL

#### Software Engineer

01/2024 to Current

- Proficient in JavaScript, Vue.js, and Node.js, with extensive experience in building and deploying high-performance web applications
- Strong background in web development with expertise in Java, React, and Angular
- Proven track record in enhancing core functionalities and features, leading to a 15% increase in sales and improved user satisfaction
- Implemented front-end caching techniques, reducing database calls by 20%
- Introduced Playwright for test automation, achieving a 45% reduction in application bugs
- Developed a collaborative feature in the application, which achieved significant customer engagement and positive feedback

### XEBIA

Hyderabad

#### Associate Software Engineer

08/2022 to 12/2023

- Developed reactive features and re-architected existing ones using Pub-Sub models for enhanced performance
- Built REST APIs with Node.js and Express for seamless backend functionality
- Implemented Design Patterns to create intricate application features
- Optimized MongoDB queries by implementing indexes and utilizing MongoDB Atlas Search, a cloud service, resulting in a 10% increase in data retrieval speed
- Improved database performance significantly
- Worked on the architecture by using Design Patterns to design complex and robust features in the application

### XEBIA

Hyderabad

#### Engineer Trainee

09/2021 to 07/2022

- Led a small team in the successful development of a banking application by using React in the front-end and Java for the backend during this tenure
- Proficient in guiding projects to success through collaborative efforts, strategic planning, and technical acumen
- Participated in code reviews to ensure code quality and adherence to coding standards
- Delivered high-quality software within the allocated time and resources
- Performed debugging and troubleshooting of existing software programs

## EDUCATION AND TRAINING

### MASTER OF SCIENCE: DATA SCIENCE

Expected in 05/2025

University Of North Carolina At Charlotte, Charlotte, NC

GPA: 4.0/4.0

### BACHELOR OF TECHNOLOGY: COMPUTER SCIENCE & ENGINEERING

05/2022

CMR Engineering College, Hyderabad

GPA: 7.73/10

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## WEBSITES, PORTFOLIOS, PROFILES

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- <https://github.com/SaiManikanta1918>
- <https://ksmpportfolio.vercel.app/>
- <https://www.linkedin.com/in/sai-manikanta-karnati-9a62601b1/>

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## CERTIFICATIONS

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- Infosys Certified Software Programmer
- MongoDB Certified Developer
- NPTEL certified Java Developer

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## PROJECTS

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### **Snapstore**

User Authentication and Profile Management: Implemented secure user registration, login, and profile management features, utilizing Firebase Authentication for session management.

Post Creation and Interaction: Developed features that allow users to upload images, post content, and engage with other users by liking, commenting, and following/unfollowing them.

Real-time Chat Functionality: Implemented the chat feature, enabling users to send real-time messages using Firebase Realtime Database or Firestore.

Frontend Development: Worked on the user interface (UI) with technologies like React.js to ensure a user-friendly experience while interacting with posts, profiles, and chats.

Backend Development: Integrated the backend using Node.js and Firebase to handle data operations, ensuring efficient data storage and retrieval.

<https://snapstore-codesnap.netlify.app>

### **Snake game**

Designed and implemented a classic Snake game using Java Swing. Developed core game mechanics, including user input handling, collision detection, and score tracking. Focused on creating an engaging user interface and smooth gameplay experience, enhancing programming skills and understanding of object-oriented design principles.,

[https://github.com/SaiManikanta1918/snake\\_game](https://github.com/SaiManikanta1918/snake_game)

### **Online Tshirt Store**

Developed a full-stack e-commerce application for selling custom t-shirts using the MERN stack (MongoDB, Express.js, React, Node.js). Implemented features such as user authentication, product management, and a shopping cart system, ensuring a seamless user experience. Focused on responsive design and optimized performance, resulting in improved customer engagement and sales.

[https://github.com/SaiManikanta1918/Tshirt\\_store](https://github.com/SaiManikanta1918/Tshirt_store)

### **Decentralized application(blockchain)**

Developed a decentralized application using Solidity on the Rinkeby testnet, leveraging Ganache CLI for local blockchain simulation. Participated in the Virtusa Codelite Hackathon, focusing on smart contract development and integration. Successfully implemented features for secure transactions and user interactions, demonstrating a strong understanding of blockchain technology and decentralized solutions.

<https://github.com/SaiManikanta1918/Dapp-bookstore>