

SARAN S

SOFTWARE DEVELOPER

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 <https://github.com/saran-222>

Portfolio <https://myportfolio-eight-beige.vercel.app/>

PROFILE SUMMARY

A passionate software developer with 2+ years of experience creating efficient, user-focused applications using modern technologies. Highly adaptable, self-motivated, and committed to building scalable systems, improving code quality, and delivering impactful features. Strong ability to take ownership, learn rapidly, and contribute to high-performance engineering teams.

SKILLS

LANGUAGES Javascript, Typescript, Python, Shell Scripting

DATABASES Mongo DB, PostgreSQL, vector DB

FRAMEWORKS React, Node , Next js, Fast API, Langchain

CLOUD AWS, Docker, Kubernetes, Prometheus, Grafana, Ansible, Nginx

TOOLS SAP ABAP, Kong API Gateway, OPAL, Sonarqube

WORK EXPERIENCE

09/2023 - present

Software Developer - Cornerstohn I-Tech Solutions

- **Built and maintained** scalable MERN and Next.js applications with clean, high-performance architecture.
 - **Integrated major third-party** services including payments, email/SMS, OAuth logins, and cloud storage.
 - **Managed end-to-end deployments** on AWS, Vercel, and Render with CI/CD and performance optimization.
 - **Designed efficient database schemas**, indexes, and optimized complex queries for faster performance.
 - **Migrated complete systems** from MongoDB to PostgreSQL with schema redesign and data transformation.
 - **Designed and implemented microservice-based architecture** with modular services, efficient communication layers, and scalable deployment strategies
 - **Developed AI-driven POCs** using LLMs, automation pipelines, and intelligent workflow integrations.
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PROJECTS

1. Chat & Video Call Application

Technologies : MERN Stack, Next.js, Socket.IO, Video Streaming Services

- Developed a real-time chat and video calling platform enabling seamless communication between users.
- Integrated **Socket.IO and video streaming services** for high-performance, low-latency video calls.
- Designed a responsive UI with Tailwind css ensuring cross-device compatibility and smooth user experience.

2. AI Medical Bot

Technologies : Python, LangChain, Pinecone DB, Gemini Model, Flask, Generative AI, RAG

- Built an intelligent **RAG-based AI medical assistant** capable of answering patient queries using a domain-specific knowledge base.
- Integrated Pinecone vector database for fast and **accurate semantic search** over medical data.
- Leveraged LangChain functions and **memory management** for context-aware conversational AI.
- Ensured high scalability and accuracy in providing medical guidance and recommendations.

3. AI Trip Planner

Technologies : Next.js, Generative AI, Gemini Model, MongoDB

- Developed a **personalized AI trip planning** platform that generates dynamic travel itineraries based on user preferences.
- Utilized **generative AI (Gemini)** for contextual suggestions and recommendations.
- Designed MongoDB schema for storing user preferences and dynamic trip data for personalized experiences.
- Enhanced user engagement by providing **AI-curated trip plans** that adapt to user input in real time.

EDUCATION

Bachelor of Information Technology

2019 - 2023

KGiSL Institute Of Technology

83%

CERTIFICATION

SAP Certified Development Associate - ABAP with SAP NetWeaver 7.50

https://www.credly.com/badges/ac9c26da-9f3a-48d5-b318-e93535ce98da/public_url

CS50X - Harvard

<https://certificates.cs50.io/b8b2f153-4ba9-47d1-b261-00ecf14ae18d.pdf?size=letter>