

SAMRATH THAPAR

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EDUCATION

Vellore Institute of Technology Bhopal
B.Tech Computer Science and Engineering

Bhopal, MP
Expected May 2026

Delhi Public School Agra
Class 12th (Per: 88.4)
Class 10th (Per: 92.2)

Agra, UP
2021-2022
2019-2020

WORK EXPERIENCE (INTERNSHIPS)

QUIZOX HEALTHCARE PVT. LTD. (Alloroots)

Remote

AI Product Analyst Intern

Sep 2025 – Feb 2026

- Designed a RAG-based AI chatbot for handling customer queries, improving response accuracy by 30% and reducing manual support load by 20%.
- Contributed to product and healthcare workflow strategy by researching AI-driven automation opportunities across different healthcare services.
- Analyzed user behaviour and product data to refine personalization models, contributing to enhanced customer experience and feature improvements.

NIQOX TECH

Surat (Hybrid)

Software Engineer Intern

Feb 2025 – Aug 2025

- Assisted in implementing CI/CD pipelines using Jenkins, improving build automation and reducing deployment time by 20% across multiple projects.
- Contributed to development and debugging tasks, supporting the engineering team in delivering stable and production-ready features.
- Built and maintained core software components, improving system performance and reliability for customer-facing modules.

PROJECTS

RAG Document Chatbot using LangChain (Python, LangChain, ChromaDB)

- Built a RAG-based chatbot using LangChain, embeddings and Vector Database to enable document querying for PDFs.
- Implemented document ingestion, chunking, vector embeddings and a UI for real-time conversational search.

Social media Web App (HTML, CSS, React, Node.js, MongoDB, Socket.io)

- Developed the complete frontend for a real-time social media platform, implementing key features such as user authentication, post creation, commenting, and liking.
- Integrated live chat functionality into the user interface, enabling instant messaging between users for enhanced interaction.

TECHNICAL SKILLS

Programming languages: Java, SQL, HTML, CSS, JavaScript, Python

Databases: MySQL, MongoDB.

Certifications & Training: Full stack developer MERN(Smartbridge partnership with MongoDB), UI/UX design (Ethnus partnership with Adobe), Marketing Analytics (NPTEL), Cloud Computing (NPTEL).

Tools & Technologies: Git, GitHub, Agile, Scrum, AWS (Basics), Docker (Beginner), N8N, Prompt Engineering.

PERSONAL INTERESTS & SOFT SKILLS:

Languages: English, Hindi.

Hobbies: Reading, Writing, Cricket

Personal Interest: Passionate about entrepreneurship, business strategy, and innovation; actively follows market trends and startup ecosystems.