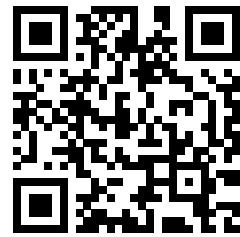


# Sanjay T

AI & Data Science Student



## Summary

AI and Data Science enthusiast with a strong interest in learning and applying modern AI techniques through real-world projects. Enjoys working with data, models, and backend systems to understand how intelligent solutions are built.

## Education

### Kongunadu College of Engineering and Technology,

Sept 2023 – May 2027

B.Tech in Artificial Intelligence and Data Science

- CGPA: 8.40 / 10.0

### Government Higher Secondary School, HSC

June 2021 – April 2023

- Percentage: [85%]

## Experience

### Blockchain Research Intern

June 2025 – July 2025

National Institute of Technology, Trichy

- Worked on the topic: "*Uncovering the Critical Drivers of Blockchain Sustainability in Higher Education using a Deep Learning-Based Hybrid SEM-ANN Approach*".
- Drafted solution proposals for blockchain-based academic credential verification and credit transfer.
- Gained hands-on experience in research writing about blockchain.

### Generative AI & Agentic AI Intern

April 2025 – June 2025

DigiDARA Technologies Pvt Ltd

- Completed 3-month internship training in Generative AI & Agentic AI.
- Worked with ML, DL, LLMs, RAG, Vector DBs, LangChain, and LangGraph.
- Built *MindMate* — a personalized AI agent for mental wellness support.
- Applied generative & agentic AI workflows to a real-world project.

## Projects

### MindMate – AI Mental Health Assistant

- Developed a role-based mental wellness assistant for students.
- Implemented sentiment tracking and emotion-aware conversation history using Pinecone and Ollama.
- Integrated secure login and chatbot memory for context-aware support across sessions.
- Tools Used: Python, Flask, MongoDB, Pinecone, Ollama, HTML/CSS/JS

### Sepsis Prediction System

- Designed a machine learning model to predict sepsis using patient vitals like heart rate, temperature, and oxygen level.
- Built a user-friendly web interface for patients and doctors to view predictions, graphs, and diagnostic reports.
- Connected ML model to the frontend via Flask backend and stored user inputs in MongoDB.
- Tools Used: Python, Scikit-learn, Flask, MongoDB, HTML/CSS, React

## **Skills**

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### **Programming Languages**

- Python, Java, SQL

### **Core Concepts :**

- Machine Learning Basics, Data Analysis

### **Frameworks and Tools**

- Flask, Scikit-learn, Pandas, TensorFlow, LangChain

### **Databases and Platforms**

- MySQL, MongoDB, Pinecone

### **Version Control**

- Git, GitHub

## **Certifications**

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- **Python for Beginners** – GeeksforGeeks, August 2024

- **Generative AI & Agentic AI** – DigiDARA Technologies pvt ltd., July 2025

## **Achievements**

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- **Smart India Hackathon (SIH) 2025** – Finalist

- **VIT Bhopal Health Hackathon** - Finalist

- **Gensis Hackathon (KNCET)** - Participation

## **Languages**

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- Tamil – Native

- English – Professional Proficiency