SAI PRASAD S

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EDUCATION

M.Tech in Data Science (Flexi Timing)   Ongoing
SRM Institute of Science and Technology (SRMIST), Kattankulathur

B.Tech in AI & ML   2025
Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
CGPA: 8.24

12th Standard, Matriculation   2021
Kingston Matric. Hr. Sec. School
Percentage: 82.83%

10th Standard, Matriculation   2019
Kingston Matric. Hr. Sec. School
Percentage: 78%

SKILLS

Programming: Python, SQL
Data Science & ML: NumPy, Pandas, scikit-learn
AI/LLM Tools: Hugging Face, LLMs
Databases: MySQL, PostgreSQL, MongoDB (Basics)
Frameworks & APIs: FastAPI, REST APIs, Odoo
Tools: VS Code, PyCharm, Postman, Git

PROJECTS

FinTrack AI – Intelligent Expense Management System
Developed an AI-powered financial tracker that seamlessly integrates Google Sheets with MCP (Model Context Protocol) and Large Language Models (LLMs). The system enables users to query expenses in natural language, e.g., *"How much did I spend on food last month?"*, and provides predictive insights on future spending patterns. Implemented automated categorization of transactions, trend analysis, and personalized budget suggestions.

RAG Chatbot for Information Retrieval
Built a Retrieval-Augmented Generation (RAG) chatbot for real-time Q&A using Hugging Face models and vector databases. Integrated embeddings for document search and real-time response generation.

Smart Temp with Odoo
IoT-based temperature monitoring using ESP32 and DHT11 sensors with real-time Odoo 18 dashboard integration. Implemented automated alerts for threshold breaches and historical data visualization.

Financial Management and Budgeting for Agriculture
Designed an ML-based system to help farmers plan budgets, track expenses, and achieve financial sustainability.

EXPERIENCE

IoT and ERP Integration Intern, Gnarus Solution   Jan 2025 – Jun 2025
Integrated IoT devices with Odoo ERP using Python and REST APIs; developed dashboards for real-time sensor data monitoring.

Python with Data Science Intern, NSIC   Nov 2022 – Nov 2023
Worked on Python-based data analysis, implemented ML models for business insights, automated report generation, and created visual dashboards for management decision-making.

CERTIFICATIONS

- Conducted an Ideothon workshop encouraging innovation and problem-solving