

Professional Summary

Data Science and Machine Learning enthusiast focused on Agentic Orchestration and autonomous workflows. Experienced in building reliable data pipelines that bridge the gap between real-time market signals and automated asset production. Skilled in Python, SQL, and multi-agent frameworks to deliver scalable, production-grade AI solutions.

Skills

- **Orchestration & Agents:** n8n (Advanced Workflow Design), Multi-Agent Systems (MAS), Agentic Reasoning.
- **AI/ML:** Gemini 2.5, GPT-4o, Retrieval-Augmented Generation (RAG), Prompt Engineering.
- **Databases & Infrastructure:** Supabase, SQL (DBMS Concepts), LanceDB, DuckDB, RESTful API Integration.
- **Languages & UI:** Python (Pandas, EDA), JavaScript, React.js, Streamlit.
- **Tools:** Git, Postman, VS Code, Browserless (Headless Rendering).

Professional Experience

Universe Capital | AI & Data Science Intern | 1st April – Present

- **Optimizing internal data workflows** by identifying operational latencies and implementing Python-based automation to streamline data preprocessing.
- **Collaborating on ETL Pipelines** using SQL and DBMS fundamentals to manage and clean large-scale datasets for downstream modeling.
- **Applying Agile methodologies** in a professional environment to ensure clean, maintainable, and accessible code across collaborative repositories.

Projects

Autonomous Agentic Content Engine | n8n, Gemini 2.5, Supabase, Tavily, REST APIs

- Architected a production-grade autonomous pipeline that identifies "Structural Market Shifts" (e.g., policy changes, economic signals) and generates institutional-grade B2B content in under 4 minutes.
- Engineered a High Signal Filter (HSF) using Gemini reasoning to reduce "news noise" by 80%, ensuring only macro-critical events trigger the automated research and rendering sequence.
- Developed a Dynamic HTML/CSS Rendering Engine that automatically extracts brand identity (hex colors, logos) from client URLs via API, generating customized, 4-slide carousels at 1080x1350 resolution.
- Implemented "Zero-Touch" Outreach Logic that converts market signals into personalized executive email briefings for high-ticket B2B lead generation.

Autonomous Data Analyst Agent | Python, GPT-4o, DuckDB, Agno Framework, Streamlit

- Developed an AI-powered data analysis tool capable of converting natural language queries into executable SQL commands, enabling non-technical users to query complex datasets (CSV/Excel) without coding.
- Integrated DuckDB as a high-performance, in-process OLAP database to execute generated SQL queries efficiently directly within the application memory.
- Leveraged the Agno Agent Framework and OpenAI's GPT-4o to automate schema inference, data type detection, and statistical aggregation.
- Built a Streamlit interface offering real-time data visualization and interactive reporting, reducing the time-to-insight for raw data file

Education

Sharda University Aug 2023-Present

Bachelor of Technology in Computer Science, Greater Noida , Uttarpradesh ,India.

Certifications

📜 Python for Data Science and Machine Learning Bootcamp – Udemy

📜 The Ultimate React Course 2025 (React, Redux & More) – Udemy

📜 Java Fundamentals – Oracle - April 2025 – May 2025

📜 Research Paper Presentation – CIT, Kokrajhar, Assam - December 3, 2025

“Sentiment-Driven Financial Forecasting: A Long Review from Social Media Signals to Transformer-Based Time Series Models”