

Sayed Sharik Hassan

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EDUCATION

Indian Institute of Technology, Madras

B.Sc. in Data Science, (Online)

Sept. 2022 – present

Dr. Ambedkar Institute of Technology

B.E. in Artificial Intelligence & Machine Learning,

Dec. 2022 – present

PROJECTS

Datanaut.ai – Exploratory Data Analytics Tool

- Explore data conversationally: upload a dataset and ask questions in plain English — Datanaut generates SQL automatically.
- Interactive visualisations (bar, line, scatter, pie) with **Seaborn** and **Chart.js**, ready for export.
- Fast query execution for instant results. Clean, responsive UI for uploads, previews, and one-click exports.
- GitHub: [shark4real/Datanaut.ai](https://github.com/shark4real/Datanaut.ai) | Live: [Datanaut.ai](https://datanaut.ai)

Retail Orders – Data Analysis Project

- Built an end-to-end pipeline: fetched dataset via Kaggle API, cleaned and transformed using **Python**, and stored in **PostgreSQL**.
- Used **SQL** to uncover key insights—top products, regional performance, and year-over-year growth (2022–2023).
- Turned findings into a dashboard that told the sales story—seasonal peaks, category shifts, and growth patterns.
- GitHub: [shark4real/Retail_Order_DA_project](https://github.com/shark4real/Retail_Order_DA_project) | Live: [Retail Orders Project Journey](#)

Genly.ai – AI-Powered Email Generator

- Developed a **Django** web app for context-aware, tone-specific email generation using **Mistral 7B** (via **OpenRouter**).
- Added **Google OAuth login** and **Gmail API** integration for single and bulk email sending with CSV-based personalisation (field_name placeholders).
- Built mobile-friendly preview/edit flows with direct send + attachment support; desktop flow redirects to Gmail.
- GitHub: [shark4real/Genly.ai](https://github.com/shark4real/Genly.ai) | Live: [Genly.ai](https://genly.ai)

AutoParser AI – Autonomous Bank Statement Parser

- Built an **AI-powered agent** in **Python** that autonomously generates, tests, and self-corrects parsers for unstructured bank statement PDFs.
- Implemented a **pytest-based contract testing framework**, ensuring correct structured outputs
- Integrated dual AI backends (**Gemini** for reasoning and **Groq** for speed) with a fully automated CLI workflow.
- GitHub: [shark4real/ai-agent-challenge](https://github.com/shark4real/ai-agent-challenge)

EXPERIENCE

Google Developer Groups – DR.AIT

2024 – 2025

Machine Learning Lead

Bangalore, India

- Led ML initiatives and organised and delivered a 4-day ML bootcamp, including a session on **Linear Regression for 400+ participants**
- Taught regression concepts, **Python implementation, and interpretation of key model metrics**.
- Designed hands-on exercises to demonstrate real-world applications of ML concepts.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), HTML/CSS

Web Frameworks: Django, Streamlit

Tools: Git, CI/CD (GitHub Actions), Supabase, Google Cloud Platform, Render, Vercel, Tableau, VS Code, Jupyter Notebook, MS Excel, Sheets

Data Science & ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Plotly, NLTK, LangChain, Scikit-learn, OpenCV, HuggingFace, llama3.1

Practices: API design, debugging, scalable services, secure integration (OAuth)