

Rohan Dharmendra

Applied AI | LLM Systems | Prompt & Context Engineering | Data Analytics

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PROFILE

Early-career applied AI and Data Science professional with a Computer Science Engineering background and 2026 master's thesis/viva completion. Designed and evaluated multi-agent LLM architectures; built machine learning applications, FastAPI services and business-focused predictive models. Interested in prompt/context engineering, LLM evaluation, AI automation and practical analytics.

SKILLS

LLMs and AI: Prompt engineering, context engineering, RAG, MCP, multi-agent systems, LLM evaluation, Qwen3, OpenAI API, Claude API, OpenRouter, Vertex AI, Copilot Studio.

Programming and machine learning: Python, SQL, FastAPI, REST APIs, scikit-learn, Gradient Boosting, Random Forest, SHAP, Streamlit, Git, Render.

Analytics: Pandas, NumPy, Power BI, Tableau, advanced Excel, data visualization, model evaluation.

SELECTED PROJECTS

Master's Thesis - Single-Agent vs. Multi-Agent LLM Systems | 2026

Python, Qwen3-30B-A3B-Instruct-2507, OpenRouter API, FinQA

- Designed and implemented four single-agent and multi-agent architectures for financial numerical reasoning, including reasoning, verification and coordination workflows.
- Evaluated 1,147 FinQA test questions; best execution accuracy 34.70% vs. 32.17% single-agent baseline, alongside program accuracy, reliability, latency and API costs.

Insurance Charges Predictor | 2026

Python, scikit-learn, Gradient Boosting, FastAPI, Render

- Built a complete regression workflow and deployed a prediction API; $R^2 = 0.8795$, RMSE = 4,325.87, MAE = 2,402.02.
- GitHub repository | Live app

Customer Churn Prediction with Explainable AI | 2026

Python, scikit-learn, SHAP, FastAPI, Streamlit

- Developed a supervised churn classification pipeline, API backend and Streamlit interface; used SHAP for individual model explanations.

Blinkit Sales Performance Prediction | 2026

Python, Pandas, Random Forest, GridSearchCV

- Cleaned and analyzed sales/marketing data, engineered temporal features and tuned a Random Forest regression model using GridSearchCV.

EXPERIENCE

AI & Machine Learning Intern - Technologics | Bengaluru, India | Sep 2022

Worked on applied machine learning during a Bachelor's-level internship, developing familiarity with practical ML workflows.

EDUCATION

M.Sc. Data Science, Artificial Intelligence and Digital Business - GISMA University of Applied Sciences, Germany | 2024-2026

B.E. Computer Science and Engineering - Malnad College of Engineering, India | 2023

CERTIFICATIONS / LANGUAGES

Google Data Analytics Professional Certificate | Ethical Management and Decision Making | People Management Skills

Languages: English (fluent), German (A2)