Jeel Nayak

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PROFESSIONAL SUMMARY

I'm a data analyst with experience in data cleaning, analysis, and ML model development using Python, built through hands-on projects and certifications from Google and IBM. My freelance work in AI model training includes prompt engineering and human-in-the-loop evaluation, giving me a front-row seat to how large language models are trained. My decade of experience across marketing and current AI workflows informs how I analyze and communicate data, blending storytelling, strategic thinking, and technical depth to deliver meaningful, real-world solutions.

SKILLS

Data Analysis

Data Cleaning, Data Wrangling, Exploratory Data Analysis (EDA), Data Visualization, Dashboards, Reporting

Machine Learning & AI

Regression & Classification Model Development, Model Evaluation, Cross-Validation, Feature Engineering, Pipelines, Prompt Engineering, Supervised Fine-Tuning (SFT), Reinforcement Learning with Human Feedback (RLHF)

Business & Communication

Stakeholder Communication, Strategic Thinking, Cross-functional Collaboration, Problem Solving, Storytelling, Attention to detail

Technical Tools

Python, pandas, NumPy, scikit-learn, matplotlib, seaborn, SQL, Plotly, Jupyter, Tableau, Google Workspace (Sheets, Slides), Microsoft Excel, Microsoft PowerPoint

DATA SCIENCE PROJECTS

Mission Control: Predicting Falcon 9 First Stage Landings with Data Science   **View Project**

Completed as part of a Python-based data science capstone focused on machine learning and data analysis. Collected launch data via API, performed data wrangling, feature engineering, and exploratory data analysis (EDA). Built various classification models to predict first-stage landing success. Developed interactive dashboards and geospatial visualizations to communicate model results.
Tools: Python, pandas, scikit-learn, matplotlib, seaborn, Plotly Dash, Folium

Australian Wildfire Analysis with Data Visualization and Dashboard   **View Project**

Visualization-driven analysis of wildfire activity in Australia, featuring interactive dashboards and regional insights from satellite-based data. Performed trend analysis, time series exploration, and geospatial aggregation to uncover patterns in fire brightness and frequency. Built an interactive dashboard to explore findings across time and region.
Tools: Python, pandas, Plotly, Dash, datetime, Folium

PROFESSIONAL EXPERIENCE

AI Trainer (Freelance)   **Remote | 2024 – Present**

Contributed to the training and refinement of large language models (LLMs) through supervised fine-tuning (SFT), reinforcement learning with human feedback (RLHF), and prompt engineering. My work supports safer, more context-aware AI by helping systems better understand nuance, intent, and relevance.

- Authored ideal responses for SFT tasks across domains like medical, legal, and technical, helping models learn high-quality behaviors aligned with user expectations.
- Evaluated model outputs for clarity, tone, and factual accuracy, supporting improvements in response alignment and reduced hallucination risk.
- Engineered and refined prompts tailored to task-specific outcomes, increasing instruction-following accuracy and model consistency.
- Conducted RLHF comparisons and quality reviews, directly influencing model tuning and reinforcement learning feedback loops.
- Collaborated with project teams via internal tools to deliver structured, domain-specific feedback, accelerating iteration cycles and improving training data quality.

Marketing & Strategy Leadership   **Various Startups and freelance consulting | 2014–2024**

Led strategic marketing and product initiatives in early-stage startups, blending creativity with data-informed planning to drive business outcomes. Collaborated with cross-functional teams to form structured project plans, insight-driven execution, and iterative problem-solving.

- Designed campaign reporting frameworks and dashboards to track KPIs, enabling teams to optimize marketing performance based on engagement and conversion data.
- Conducted customer segmentation and insight analysis to inform product positioning and go-to-market strategies, improving message alignment and targeting.
- Launched 100+ consumer products by synthesizing market trends, user behavior, and operational feedback into product development roadmaps.
- Translated brand and product goals into cross-functional project plans, ensuring timely execution and alignment across teams.
- Communicated performance insights and strategic recommendations to founders and stakeholders, supporting data-driven decisions and brand growth.

EDUCATION

Google Professional Certificate in Data Analytics (2024): Completed an 8-course program focused on data cleaning, analysis, visualization, and stakeholder communication using spreadsheets, SQL, R and Tableau.

IBM Professional Certificate in Data Science (2025): Completed a 12-course program covering Python, data cleaning, data analysis, data visualization, SQL, and machine learning with hands-on projects in Jupyter Notebooks.

Bachelor of Science — Computer Science   Mumbai University
Diploma in Digital Marketing   DMI Ireland through NIIT