KSHITIJ MISHRA

AI Quality Analyst | LLM Evaluation | Data Analyst | Prompt Engineer

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PROFESSIONAL SUMMARY

Results-driven AI Quality Analyst with 2+ years of hands-on experience evaluating production LLM and voice AI systems at Tavus AI. Skilled in Python, SQL, prompt testing, and structured data analysis. Proven ability to detect model hallucinations, optimize evaluation pipelines, and deliver data-driven insights that improve AI output quality. Seeking roles in AI/ML engineering, data analysis, QA testing, or prompt engineering.

CORE TECHNICAL SKILLS

AI & ML: LLM Evaluation, Prompt Testing, Output Validation, AI System Testing, Hallucination Detection
Programming: Python, SQL
Data Analysis: Pandas, NumPy, Exploratory Data Analysis, Trend Analysis, Data Cleaning
Voice AI: Whisper, Google STT, ElevenLabs, Coqui TTS
Tools & Reporting: Power BI, Jira, Notion, GitHub, Structured Reporting
Domain Knowledge: Cryptocurrency Market Data, Behavioral Pattern Analysis, Volatility Clustering

PROFESSIONAL EXPERIENCE

AI Quality Associate | **Tavus AI** | Jan 2024 – Present

- Evaluated 500+ AI-generated voice and video outputs per month, maintaining production quality standards across live workflows
- Reduced model hallucination rate by ~30% by designing structured feedback reports delivered to engineering and research teams
- Built and optimized LLM prompt test suites, improving output consistency and correctness across 10+ retrieval workflows
- Developed scoring rubrics and benchmarking criteria to compare prompt variants and track output degradation over time
- Supported deployment readiness of 5+ AI features by validating performance across real-world multi-scenario test cases
- Collaborated with cross-functional teams to streamline evaluation pipelines, cutting review turnaround time by 20%

Relationship Manager | **Urban Company** | Aug 2022 – Sep 2023

- Analyzed customer behavior and partner performance data to identify service gaps, improving efficiency by 15%
- Maintained structured weekly performance reports used by operations leadership for data-driven decision-making
- Optimized partner onboarding workflow using data insights, reducing average onboarding time by 10%

PROJECTS

AI Voice & Output Evaluation Framework

- Designed end-to-end evaluation framework for AI-generated voice and LLM outputs across production workflows
- Created automated validation checks to flag hallucinations, logical inconsistencies, and response quality degradation
- Built scoring criteria and ran comparative test runs to benchmark prompt variants — improved output reliability by 25%

Tech: Python • LLM Evaluation • Prompt Testing • Workflow Validation

Crypto Market Analysis System

- Developed a Python-based market analysis pipeline to study volatility clusters, liquidity behavior, and price structure

- Applied time-series analysis with SQL-backed datasets to detect behavioral signals and breakout conditions across timeframes
- Produced structured visual reports using Pandas and data visualization tools to support data-driven decision-making

Tech: Python • Pandas • SQL • NumPy • Data Visualization

Personal Portfolio Website — kshitij.info

- Built and deployed a personal portfolio website showcasing technical projects, engineering logs, and professional profile
- Published 6+ technical articles on topics including Kalman filters, crypto microstructure, and data pipeline design

EDUCATION

B.Tech — Electrical & Electronics Engineering | 75.6%

Dr. A.P.J Abdul Kalam Technical University | 2017 – 2021

CERTIFICATIONS & LEARNING

- Machine Learning Specialization — Andrew Ng, Coursera (In Progress)
- Currently upskilling in: Scikit-learn, Deep Learning, PyTorch, and Kaggle competitions