JISHANA FARHATH PJ

Bangalore,Karnataka • 8089425545• jishanajabir@gmail.com
linkedin.com/in/jishana-farhath-pj-013310263 GitHub: github.com/jishanajabir-hub

SUMMARY

AI/ML Engineer and Data Analyst with hands-on experience building decision intelligence systems, LLM-powered applications, and business analytics dashboards. Strong background in Python, FastAPI, SQL, Power BI, and Machine Learning workflows, with a proven ability to translate complex data into actionable business insights. Actively seeking AI/ML Engineer, Data Scientist, or Data Analyst roles

WORK EXPERIENCE

Data Analyst

Oct 2024 – Nov 2025

Lonrix Private Limited, Thrissur, Kerala, India

- Collected, cleaned, and validated large datasets using tools such as SQL, Python, and Excel.
- Structured raw data by removing duplicates and filling missing values to ensure analysis quality
- Applied statistical methods like regression and hypothesis testing to derive actionable insights.
- Structured raw data by removing duplicates and filling missing values to ensure analysis quality
- Collaborated with cross-functional teams (product, marketing, management) to align data efforts with business goals.

Data Scientist Intern

June 2022 – March 2023

Luminar Technolab – Kochi, Kerala

- Built machine learning models for predictive analytics and classification tasks.
- Conducted exploratory data analysis and feature engineering.
- Evaluated model performance using statistical metrics and validation techniques.

SKILLS

- Programming & Analytics: Python, SQL, Pandas, NumPy, Advanced Excel, Data Cleaning, EDA.
- AI / Machine Learning: LLMs, Prompt Engineering, Hugging Face, OpenAI API, NLP Basics, Monte Carlo Simulation.
- Data Visualization & BI: Power BI, DAX, Data Modeling, KPI Dashboards, Business Reporting.
- Backend & Deployment: FastAPI, REST APIs, Docker, Streamlit, Git, GitHub.
- Business Analytics: Risk Analysis, Profitability Analysis, Inventory Optimization, Revenue Leakage, KPI Tracking.

PROJECTS

Decision Intelligence System with LLM Explanations

Tech Stack: Python, FastAPI, Docker, Monte Carlo Simulation, OpenAI API, Pandas, NumPy

- Engineered an AI-powered decision intelligence system combining probabilistic simulations and large language models to convert numerical risk analysis into executive-ready insights.
- Implemented Monte Carlo simulations to model business outcomes and calculate risk metrics including expected profit, probability of loss, and best/worst-case scenarios.
- Integrated LLM APIs to automatically generate natural-language explanations from quantitative outputs, reducing manual financial interpretation.
- Designed a modular, scalable architecture separating simulation, metrics computation, and explanation layers for maintainability.
- Deployed a production-ready REST API using FastAPI and Docker for consistent, scalable execution across environments.

Student Helpdesk AI Chatbot

Tech Stack:Python, Streamlit, HuggingFace, Git, GitHub

- Built an AI-enabled chatbot to handle student academic queries related to admissions, fees, courses, and examinations.
- Implemented rule-based logic for structured FAQs and integrated a HuggingFace NLP model for open-ended queries.
- Combined AI responses with rule-based flows to improve accuracy, reliability, and user experience.
- Managed conversation context using Streamlit session state, ensuring smooth and continuous chat interactions.
- Deployed the application on Streamlit Cloud and maintained version control using Git and GitHub with clear documentation.

Smart Retail Supply Chain Analytics – Inventory Optimization Dashboard

Tech Stack:SQL, Python, Power BI

- Analyzed 100K+ multi-store retail sales and inventory records using advanced SQL joins, CTEs, aggregations, and window functions.
- Cleaned and transformed raw datasets in Python, resolving missing inventory data, inconsistent timestamps, and outlier anomalies.
- Developed business metrics such as inventory turnover ratio, stock aging index, demand volatility score, and reorder risk classification.
- Designed an interactive Power BI dashboard with KPIs, trend analysis, and store/product-level filtering for decision-makers.
- Identified that 20% of SKUs generated 80% of revenue, while 35% of inventory remained unsold beyond 90 days, enabling data-driven restocking strategies.

Revenue Leakage & Profitability Analysis

Tech Stack:Excel, Power BI

- Analyzed revenue, cost, discounts, refunds, and profit data to identify revenue leakage and loss-making segments.
- Cleaned and transformed datasets in Excel, creating calculated fields such as Net Revenue, Profit, and Profit Margin.
- Built an interactive Power BI dashboard tracking KPIs including Gross Revenue, Net Revenue, Total Profit, and Profit Margin.
- Performed product, city, and category-level profitability analysis using drill-down visuals and dynamic slicers.
- Delivered insights through structured data storytelling, improving stakeholder visibility into profitability risks and trends.

EDUCATION

Big Data Analytics & Data Science **2023**

- Luminar Technolab, Cochin

Bachelor of Computer Applications **2022**

- University of Calicut

CERTIFICATIONS

- Data Science - National Council of Technology and Training (NACTET)
- Microsoft Power BI Workshop – OfficeMaster