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Professional Summary

Professional with nearly three years of experience at Deloitte and Altice USA delivering high-impact data transformations, executive reporting, and predictive analytics for Fortune 500 clients. Expert at converting complex datasets into actionable C-suite insights via advanced dashboards, ML models, and automated pipelines. Continuously expanding consulting expertise through the McKinsey Forward Program and driven to fuel scalable impact through innovation and collaboration.

TECHNICAL SKILLS

Core Competencies: Data Analysis, Predictive Modeling, Machine Learning (ANN, Random Forest, Ensemble), Unsupervised Learning, Web Scraping, NLP, RAG, Summarization, Sentiment Analysis, Data Visualization, ETL, Dashboarding, Stakeholder Engagement, CLI Automation

Programming & Tools: Python, SQL, R, Git, Jira, Jupyter, VS Code, FastAPI, NGINX

Libraries & Frameworks: Pandas, NumPy, Scikit-learn, PyTorch, NLTK, LangChain, sentence-transformers, Neuralnet (R)

Visualization & Reporting: Tableau, Power BI, Data Storytelling, Advanced Dashboarding

Cloud & Deployment: AWS (Lambda, EC2, S3), API Development, Serverless Computing, Docker, Streamlit, MinIO, HuggingFace Hub

Databases & ETL: MySQL, PostgreSQL, DynamoDB, SQLAlchemy, Alembic, Workday, Pinecone

AI/ML Ops & Vector Stores: MLflow, Weights & Biases, FAISS, Chroma

Experience

Optimum (Altice USA) Feb 2025 - May 2025

Data Analytics, Strategic Program Office

Long Island City, NY

- Created automated executive dashboards in Power BI, powered by SQL and Python ETL pipelines, reducing reporting time by 70% and delivering real time KPI visibility to the CEO and SVP.
- · Proposed a predictive analytics framework to forecast ROI risk and benefit realization early in the project lifecycle, enabling proactive decisions across service channels and maintaining on-target performance.
- Built VBA scripts that harmonized operational metrics with FP&A financial data, mapping cost consumption and projecting ROI for upcoming initiatives.
- Collaborated with cross functional teams to define KPIs and embedded them in Power BI dashboards, enabling stakeholders to visualize performance and enact informed policy changes
- · Deployed automated Power BI data models and refresh routines, providing real-time dashboards that drove transparency and trust

Deloitte (Offices of the US) May 2021 - Aug 2023

Data Analyst (Workday Practice)

- Migrated over 1M+ records for Fortune 500 clients (AT&T, Wells Fargo) to Workday using custom ETL pipelines with 98% accuracy.
- Automated ETL workflows with 100+ SQL scripts, cutting processing time by 40% & data mismatches(received vs intended) by 25%.
- Served as SME for client data resolution, deploying error-detection scripts that cut support tickets & reduced data error rates by 30%.
- Created monitoring dashboards to improve defect tracking and reduce manual effort by 50%.
- · Led team onboarding efforts by launching an internal knowledge-sharing hub for data processes.

PROJECTS

NLP Automation & Summarization

- News Scraping & LLM-Driven Summarization: Built a Python pipeline with Selenium and BeautifulSoup to scrape NPR articles, generated on-device summaries using Facebook BART (HuggingFace), applied NLTK VADER for sentiment analysis, and delivered concise bullet-point reports with "Read More" links via a CLI.
- NLP & Retrieval-Augmented Generation Applications: Medical Chatbot with Local LLaMA 3 (Aug 2025): Engineered a fully offline, privacy-first chatbot using LLaMA 3, LangChain, and sentence-transformer embeddings to retrieve and answer queries from medical PDFs built a Flask backend and custom HTML/CSS/JS chat interface, achieving <1 sec response times while eliminating external API costs.

Advanced Machine Learning & Analytics

- Ensemble & Unsupervised Learning Analysis (Nov 2024-Dec 2024): Applied PCA & UMAP to reduce dimensions on Tortuga user-engagement and Wine Quality chemical datasets (silhouette = 0.99), then used GridSearchCV-tuned Random Forest & AdaBoost to uncover distinct behavior segments and key quality drivers.
- Insurance Premium Estimator(MLOps)(June 2025–July 2025) Web App Training a regression model (R²=0.75) on health data deployed via a Streamlit UI with a FastAPI backend for real-time premium predictions

Data Visualization & Foundational Analytics

· U.S. Police Shootings Analysis (Nov 2024-Dec 2024): Created interactive Tableau dashboards to visualize nationwide trends, demographics, and geographic patterns with data storytelling.

EDUCATION

Hofstra University, Zarb School of Business

Jan 2024 - May 2025

Hempstead, NY

M.S. in Business Analytics, GPA: 3.87/4.0 Authorized to work in the U.S. under OPT & STEM OPT visa (expires May 2028)

Manipal University Aug 2016 - May 2020