

# PROFESSIONAL SUMMARY

Data professional with 3 years' experience at Deloitte and Optimum (Altice USA) turning data into actionable insights for Fortune 500 clients. Skilled in predictive modeling, dashboards, and automated ETL that cut reporting time by 70% and reduce errors by 30%. Strong Python/SQL/ML expertise with a track record of enabling C-suite strategies and measurable ROI.

### EXPERIENCE

Optimum (Altice USA) Feb 2025 – May 2025

Data Analytics, Strategic Program Office

Long Island City, NY

- Built workforce performance dashboards in Power BI with SQL/Python ETL, cutting reporting time 70% and giving executives real-time visibility into attrition, resource allocation, and productivity trends.
- Designed predictive talent ROI-risk model that identified workforce performance shortfalls 8 weeks early, enabling proactive staffing decisions across 5+ business units.
- Built VBA scripts uniting FP&A and operational metrics, enabling ROI forecasts for \$20M+ in planned initiatives.
- Defined and embedded KPIs with 4+ cross-functional teams, boosting dashboard adoption 60% in the first month.
- Implemented automated refresh/validation in Power BI, reducing manual errors 90% and increasing trust in reporting.

Deloitte (Offices of the US)

May 2021 – Aug 2023

Data Analyst (Workday Practice)

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- Migrated 1M+ employee records into Workday with 98% accuracy, strengthening HR data integrity across recruiting, compensation, and performance systems for Fortune 500 clients.
- 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 & Summarization (Python, Selenium, Hugging Face BART, Ollama, VADER): Built an automated pipeline to scrape NPR articles, generate on-device LLM summaries, and run sentiment analysis; cut article review time 80% and adopted in coursework.
- Retrieval Augmented Chatbot (LLaMA 3, LangChain, Flask, sentence-transformers): Built fully offline chatbot retrieving answers from PDFs in <1 sec eliminated API costs and used by peers as an interactive study buddy.

### **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 surfacing hidden patterns for churn profiling and recommendation use cases.
- Insurance Premium Estimator(MLOps)(June 2025–July 2025) Web App Training a regression model (R<sup>2</sup>=0.75) on health data deployed via a Streamlit UI with a FastAPI backend for real-time premium predictions, packeged using Docker for

### **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, used in class to support discussions on safety and policy

#### TECHNICAL SKILLS

Core Competencies: Data Analysis, Predictive Modeling, Machine Learning (Ensemble, Unsupervised), Stakeholder Engagement

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

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

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

Cloud & Deployment: AWS (Lambda, EC2, S3), API Development, Docker, Kubernetes, Streamlit, FastAPI Databases: MySQL, PostgreSQL, DynamoDB, SQLAlchemy, Alembic, Workday, Pinecone, Pydantic

**EDUCATION** 

## Hofstra University, Zarb School of Business

Jan 2024 - May 2025

M.S. in Business Analytics

Hempstead, NY

Authorized to work in the U.S. under OPT & STEM OPT visa (expires May 2028)

Aug 2016 - May 2020

Manipal University

Bachelors of Technology in Computer Communication Engineering

Jaipur, India