

OBJECTIVE

Experienced data professional skilled in transforming large datasets into actionable business insights through advanced analysis and visualization. I am excited about opportunities where I can tackle complex challenges, develop innovative solutions, and contribute to impactful decision-making in a collaborative environment.

EDUCATION

Master's in Business Analytics and Project Management | GPA: 3.76

Aug 2023 – May 2025

University of Connecticut School of Business

Hartford, CT

Relevant Coursework: Data Management, Big Data and Cloud Computing, Data Mining and Business Intelligence

PROFESSIONAL EXPERIENCE

Gen AI Engineer

Aug 2024 – Dec 2024

ANANDA

Remote, USA

- Designed **RAG pipelines** using Vicuna LLM, increasing data extraction accuracy and chatbot clarity by 20%, utilizing **Python (Pandas, NumPy)** for advanced **data manipulation**.
- Implemented document embedding enhancements with ChromaDB, reducing data retrieval time by 15%.
- Streamlined chatbot evaluation metrics with **BERT** and **ROUGE**, boosting semantic relevance of responses.
- Led a cross-functional team to **analyze crypto strategies**, uncovering actionable insights that informed risk mitigation and trend forecasting strategies.

Data Analyst

Jan 2023 – Jul 2023

REINO PREFAB PRIVATE LTD.

Ranchi, India

- Overhauled **SQL-based** data collection systems, **doubling data accuracy** and reducing analysis turnaround time.
- Leveraged **R for advanced statistical analysis** and **predictive modeling**, driving data-backed business decisions and operational optimization.
- Designed **Power BI dashboards** visualizing **key performance metrics**, enhancing marketing strategies and enabling stakeholders to track progress effectively.
- Improved **data entry protocols**, cutting errors by 15% and saving 10+ hours weekly in preprocessing.

Data Analyst Intern

Aug 2021 – Nov 2021

Inator

Pune, India

- Engineered a **Python-based** player ranking algorithm, achieving a 70% boost in model precision for enhanced team performance analysis using **Pandas** and **Scikit-learn**.
- Developed and deployed an interactive Flask-based webpage with **K-means clustering**, increasing user engagement by 25% and enhancing **data visualization**.
- Streamlined **SQL workflows**, reducing data errors by 60% and improving the reliability of downstream **statistical analysis** and **reporting processes**.

PROJECTS

Forecasting Blood Glucose Levels

Conducted **exploratory data analysis**, aggregating minute-level glucose data into hourly intervals to enhance predictive relevance. Implemented **ARIMA and SARIMA models in SAS Studio**, optimizing accuracy through reduced **AIC and SBC** metrics, and validated results using Ljung-Box tests. Designed **visual dashboards in SAS Studio** for **trend analysis**, improving stakeholder understanding of glucose fluctuations to support diabetes management strategies.

Data-Driven Insights for Social Media Platform Optimization

Led a cross-functional analysis of subreddit engagement using **SQL and MariaDB**, uncovering key content strategies to **drive engagement**. Integrated MariaDB for enhanced **RDBMS** support, improving data reliability and query performance. by leveraging **audience segmentation** and trends to guide strategic platform improvements.

SKILLS

- Proficient in data manipulation, modeling, warehousing, and gathering. Hands-on experience in Python (Pandas, Scikit-learn, NumPy, Statsmodels), SQL, R, and statistical analysis. Skilled in creating dashboards and conducting trend analysis for data visualization using Excel (Pivot Tables, VLOOKUP). Worked with AWS Cloud (S3, EC2), time series analysis, data analysis, and big data technologies.
- Strong business acumen in project management, strategic thinking, team leadership, and storytelling to deliver actionable insights.