NIKHIL SURYAWANSHI

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Data Analyst with nearly 1 year of experience in Generative AI, data pipeline optimization, and dashboard development. Passionate about innovation, taking initiative, and leveraging new technologies to stay ahead. Seeking a full-time Data Analyst role starting May 25.

EDUCATION

MS in Data Science | Rochester Institute of Technology, New York   [3.74/4 CGPA]   05/2025

Courses: Software Construction, Data Science & Analytics, Database Design Implementation, Software Engineering for Data Science, Applied Statistics, Business Intelligence, Visual Analytics, Data Driven Knowledge Discovery

B. Eng. in Computer Engineering |Bharati Vidyapeeth College of Engineering, India   [8.54/10 CGPA]   07/2022

EXPERIENCE

Data Analyst Intern |Coherent Corp |Saxonburg, Pennsylvania   01/2024 – 05/2024

- Revamped the initiative tracking system Amplify, integrating advanced **data governance and hygiene processes**, resulting in **a 20% improvement in data reporting accuracy** and compliance.
- **Administered Amplify system,** overseeing user access**,** automating **variance analysis,** and implementing **anomaly detection to** enhance **data integrity and reliability.** Delivered key insights to department managers**, supporting a $700M cost-saving initiative.**
- **Led post-acquisition analysis**, evaluating **EPS, GAAP, revenue, and COGS trends** to assess pre- and post-merger performance. Identified financial gaps and recommended **budget optimizations, cost reductions, and debt management solutions**, optimizing **$150M allocation for strategic growth**. **Presented findings to the CEO and CFOs, leading to data-backed financial strategy.**

Data Analyst | SankalpSoft Solutions| Nashik, India   01/2022 – 06/2022

- Consulted **20+ clients** to assess business needs and **design scalable data architectures**, enhancing operational efficiency. Conducted **ETL/ELT pipeline optimization** and data flow analysis to improve **information retrieval** and **system integration**.
- **Optimized Pl/SQL procedures, reducing data retrieval time by 35%**, which improved database performance, streamlined reporting, and enhanced user satisfaction through faster, more reliable data access for decision making.
- Engineered and deployed **an AWS QuickSight dashboard** to enhance analytics capabilities and **KPI tracking. Automated reporting,** reducing manual effort and **saving 2+ hours per week in project progress discussions**.

Data Analyst Intern | Mass Technologies | Pune, India   07/2021 – 10/2021

- **Developed a Python-based University Recommendation System**, implementing **machine learning models (KNN, Decision Trees)** to personalize recommendations, **reducing selection time by 20%** and improving user experience.
- **Optimized ETL pipelines** using **batch processing, parallelism, and caching**, accelerating **query execution by 11%** and enhancing model accuracy **by 8% through Feature Weighting techniques**.
- Integrated an interactive web interface using **Flask** and **REST APIs**, enabling seamless user interactions and **real-time university comparisons**, improving decision-making efficiency.

SKILLS

- **Techniques:** Statistical Analysis, Data Visualization, Data Architecture, Predictive Models, Machine Learning, Data Mining, Agile
- **Programming Languages:** Python (Pandas, NumPy, Matplotlib, Seaborn), R (dplyr, ggplot2, shiny), JavaScript, HTML/CSS, Java
- **Database:** PostgreSQL, MySQL, Snowflake, NoSQL (MongoDB, Hadoop), Microsoft Excel (Power Query, VLOOKUP, VBA), ETL/ELT
- **Tools:** Spark, Tableau, Power BI (DAX), Looker, Google Analytics, AWS (Redshift, S3), A/B Testing, Git, Azure, DBT, GCP

PROJECTS

- **Analyzing LLM's Stances on Political Disputes** | *Capstone Project*   08/2024 – Ongoing
  Analyzed LLM responses to **politically sensitive prompts**, identifying **persona-induced biases** and response patterns. Developed **bias quantification models** to **evaluate neutrality and fairness**, addressing limitations in socio-political AI transparency.
- **SmartQuery AI: Talk to your Data** | *Coherent Corp. Mini Project* (Python, API, LangChain, RAG)   01/2024 – 05/2024
  Developed an AI-driven analytics platform **enabling users to chat with data for real-time insights and visualizations**. Integrated **RAG for intelligent retrieval** and **AI agents for multi-step analysis** and **anomaly detection**, leveraging **OpenAI API**. Designed **interactive filters**, automated missing data handling, and **trend analysis to streamline data exploration** and decision-making.
- **GasTech Operation Analysis** | 08/2023 – 12/2023
  Leveraged **Python, Tableau, and QGIS** to analyze proximity card and sensor data, identifying **8 behavioral patterns and anomalies**. Provided actionable insights into employee routines and detected risks, optimizing building operations and security.
- **Machine Learning for Code Quality Improvement** | Python, Java   01/2023 – 05/2023
  Conducted an analysis of developer intent inferred from commit messages using **NLP** techniques. Applied supervised and clustering models to assess static software metric changes, achieving a 15% improvement in predicting quality shifts across 54 Java projects.