

ROHAN SHRESTHA

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SUMMARY

Entry-level Data & Analytics professional graduating May 2026 with hands-on experience applying data analysis, data engineering, and applied machine learning to real-world operational and business problems. Skilled in Python, SQL, and cloud-based analytics tools to collect, clean, transform, and analyze data, build analytics-ready datasets, and communicate actionable insights. Strong collaborator with experience working across engineering, operations, and business teams to support data-driven decision-making.

EXPERIENCE

Dura-Shiloh Industries

IT intern - Data Engineering & Analytics (Remote)

Aug 2025 - Dec 2025

- Developed ML-ready datasets by cleaning, validating, and transforming data from 100+ Excel and SharePoint sources using Python and Databricks.
- Supported data quality and reliability by implementing validation checks and business rules, reducing reporting errors and improving trust in operational and financial analytics.
- Automated recurring reporting workflows using Python and Power Automate, reducing manual effort and improving reporting timeliness.
- Collaborated with engineering, operations, and analytics stakeholders to define metrics, interpret analytical results, and communicate insights to support decision-making.

Data Analytics and Special Projects Intern

Auburn Hills, MI · Jun 2025 - Aug 2025

- Replaced manual Excel-based executive trackers with interactive Power BI dashboards, improving transparency and consistency of leadership and operational reporting.
- Conducted a two-week on-site manufacturing audit to investigate inventory discrepancies by analyzing data, observing processes, and documenting workflows; identified root causes and recommended corrective actions.
- Automated cross-department reporting workflows using Python, Power Query, and Power Automate, improving processing efficiency by 35% and eliminating 20+ hours of manual work per month.
- Supported the Program Management Office by tracking KPIs, preparing project documentation, and delivering executive-level reports.

Nepal Red Cross Society

Data Analyst Intern

Ramechhap, Nepal · Jun 2024 - Aug 2024

- Analyzed healthcare datasets from community health camps to support reporting, trend analysis, and operational decision-making.
- Built SQL-based reports and Power BI dashboards that reduced manual data entry time by 40% and improved accessibility of information.
- Automated recurring reports using SQL queries to improve consistency, timeliness, and reliability of organizational reporting.

University of Louisiana at Monroe

IT Support Technician

Monroe, LA · Feb 2023 - May 2025

- Diagnosed and resolved over 1,000 technical issues for students and faculty, contributing to improved operational efficiency and supporting cross-department data needs.

SKILLS

- **Programming & Data Analysis:** Python (pandas, NumPy, scikit-learn), SQL, Git/GitHub
- **Data Engineering & Big Data:** Databricks, Apache Spark, ETL pipelines, Data Validation and Quality Checks
- **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation (RMSE, MAE), Time-Series Forecasting
- **Visualization & Reporting:** Power BI, Streamlit, Figma, Excel, Data Storytelling
- **Cloud & Platforms:** Azure, GCP, BigQuery, Docker

PROJECTS AND COMPETITION

Automated Analytics Data Pipeline | github.com/sstar2820/Agentic_data_pipeline

Nov 2025

- Designed and implemented an automated data ingestion and transformation pipeline using Python to standardize, validate, and prepare datasets for downstream analysis.
- Built automated workflows and dashboards to support transparent, repeatable reporting and data quality issue identification.
- Delivered end-to-end analytics workflows through Streamlit dashboards to provide transparent and accessible insights.

Machine Learning - Stock Prediction Dashboard | github.com/sstar2820/Stock_Prediction_model

Apr 2025

- Designed an interactive stock analysis dashboard using Streamlit, integrating an LSTM model to forecast 100+ stock price trends and support data-driven decision-making.
- Evaluated model performance using RMSE and MAE and communicated results through interactive Streamlit dashboards.

EDUCATION

University of Louisiana at Monroe

Aug 2022 - May 2026

Bachelor of Science, Computer Science

- **GPA:** 3.68
- **Achievements:** Dean's Scholar, NSA - Vice-President (Campus), Elevator Pitch Contest - Third Position
- **Coursework:** Artificial Intelligence, Database management, Python, Data Structures and Algorithms, Linear Algebra, Internet Programming

Certifications

- AWS Certified AI Practitioner
- IBM Python for Data Science, AI & Development