

Mohit Shrestha

Data Driven Problem Solver

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✂ MohitShrestha

SUMMARY

Data Analytics & Business Intelligence Consultant skilled in Python, R, SAS, SQL, Tableau, and Power BI. Transforms data into actionable insights through predictive modeling, visualization, and storytelling. Bridges executives and technical teams to deliver end-to-end analytics and AI solutions—from requirements to deployment—that drive data-driven decision-making and business outcomes.

EXPERIENCE

Data Elevates

Data Analytics & Business Intelligence Consultant

Feb 2022 - Present
San Diego, CA

Chef Ann Foundation – Healthy School Food Pathway Program

- Facilitated workshops with executive, operational, and external evaluation stakeholders to align program needs, and created Figma wireframes that defined key metrics and streamlined dashboard development for program tracking.
- Engineered Python pipelines to integrate siloed spreadsheets, standardize National Center for Education Statistics school district IDs, geocode counties, and produce clean datasets with data governance and safeguards protecting participant PII.
- Developed production-ready Tableau dashboards and Tableau Cloud infrastructure, automating data flows and updates to unify program data, democratize access across 75+ school districts, and enable real-time tracking of completion rates and career growth.

Data for Workforce Nurturing (D4WN)

- Led AWS-based ETL pipelines, and analytics for the data.org Inclusive Growth & Recovery Challenge D4WN project, aggregating USSD, SMS, and WhatsApp data to deliver real-time labor market insights for 55,000+ informal workers in Mozambique.
- Built predictive ML models for demand, customer retention, and income, and developed interactive Tableau dashboards and GIS maps to visualize worker placement, job types, and requested opportunities.
- Identified labor market inequalities and gender gaps—54% of workers never received a request, while the top 1% captured 28% of opportunities—informing fairer algorithms and policies to promote equitable access.
- Partnered with cross-functional teams to implement data-driven solutions, translating insights into workforce interventions supporting project goals to increase income by 10% and double female participation.

Self-Employed

AI & Automation Consultant

Jan 2021 – Present

- Developed an AI-powered book recommendation chatbot using LLMs (Gemini/OpenAI/Ollama APIs) and automated social media video pipelines with text-to-speech, improving content delivery and engagement.
- Built lightweight Google Sheets–driven inventory automation with HTML/JS, enabling small businesses with limited tech resources to manage catalogs, auto-sync website updates, reduce e-commerce complexity, and expand digital presence affordably.
- Automated accounting workflows for a small business using n8n, Google Sheets, and QuickBooks, integrating human-in-the-loop approvals to streamline month-end processes, reduce manual errors, and improve bookkeeping efficiency.

Energy Exemplar

Senior Energy Market Analyst

May 2021 - Dec 2021
Roseville, CA

- Performed energy analytics, modeling, and simulation-optimization of the U.S. energy grid using PLEXOS, supporting reliability, capacity expansion, and production-cost studies.
- Collaborated with product development and project teams as a Technical Solutions Engineer, resolving client technical issues and informing product enhancements.
- Identified client needs for PLEXOS and developed proof-of-concept models and demonstrations to showcase software capabilities and support adoption.

Wake Forest University - School of Business

Graduate Peer Tutor, Master of Science in Business Analytics (MSBA) Program

Sep 2020 - Dec 2020
Winston-Salem, NC

- Conducted individualized remote tutoring sessions for graduate students, strengthening their coding proficiency and analytical problem-solving skills through hands-on projects using SAS and R in the Analytics Software Technology course.

Energy Advisory and Solutions, ICF

Associate / Analyst

Jun 2011 - Sep 2016
Fairfax, VA

- Managed 50+ client projects (\$75K–\$2M), modeling and simulating U.S. energy systems using the Integrated Planning Model (IPM®), while analyzing market trends, mergers and acquisitions, and long-term pricing forecasts to support strategic decisions.
- Applied data analysis, SQL, Excel, and BI modeling to process large datasets, building dashboards and analytical models that translated results into executive-ready insights and actionable recommendations.
- Conducted quantitative economic and financial analyses for litigation and policy cases, co-authoring reports and providing data-driven guidance for client strategies.
- Maintained and enhanced proprietary IPM® model databases, integrating regulatory, utility, and vendor data (e.g., Bloomberg) to improve forecasting accuracy and reporting efficiency.

CERTIFICATIONS AND COURSES

Coursera IBM Data Science Professional Certificate: Databases and SQL for Data Science, Python for Data Science, Data Science Methodology, Open Source tools for Data Science	DataCamp Introduction to Tableau, Intermediate SQL, Joining Data in SQL, Introduction to SQL
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SKILLS

Programming & Modeling Python, R, SAS, SAS Enterprise Miner, Excel	Data Management & Databases SQL (MySQL/PostgreSQL), SAS, MS Access	Notebooks & Documentation Quarto, Marimo, Jupyter, Markdown	Project & Version Control Git, GitHub	AI Workflow Automation n8n (LLM-integrated workflows)
Data Visualization & Dashboards Tableau, PowerBI, Python, R	Deployment & DevOps Docker, Streamlit, FastAPI, GitHub Pages	Web Development HTML, CSS, JavaScript, Magento (E-commerce), WordPress	Energy Systems Optimization PLEXOS, Integrated Planning Model (IPM)	

RELEVANT ACADEMIC RESEARCH AND DATA ANALYTICS PROJECTS

Employee Performance Analysis and Memo Report <ul style="list-style-type: none">Built MySQL relational data model with an Entity-Relationship Diagram (ERD) to help a car retailer transition from spreadsheets and used SQL to analyze employee performance, producing a memo identifying the top salesperson.
Twitter/X Sentiment Analysis <ul style="list-style-type: none">Utilized R for Twitter/X sentiment analysis, topic classification, and word cloud visualization.
North Carolina's Medicare Opioid Prescription Analysis <ul style="list-style-type: none">Wrangled and merged large Medicare datasets (over 32K physicians, 880K prescriptions, and 113 opioid drugs) in SAS, then performed EDA to visualize North Carolina's opioid prescription trends.
Boston Crime Forecast <ul style="list-style-type: none">Aggregated three years of daily Boston crime data into monthly intervals and developed a Time Series ARIMA model to forecast crime counts for the next three months.
Bank Direct Marketing Analysis, UCI Machine Learning Repository <ul style="list-style-type: none">Predicted client subscription likelihood using logistic regression and random forest models on the UCI Bank Marketing dataset, achieving 80% prediction accuracy.
Purchasing Prediction <ul style="list-style-type: none">Predicted grocery customers' likelihood of purchasing organic products using random forest, decision tree, and logistic regression models implemented in SAS and R.
Food Truck Forecasting <ul style="list-style-type: none">Developed a predictive model and interactive Power BI dashboard to help a food truck owner optimize location and pricing decisions based on weather, ingredient and fuel costs, travel time, and historical sales data.

EDUCATION

Wake Forest University School of Business Business Analytics GPA: 4.0	Jan 2019 - May 2021 Master of Science
Hampden-Sydney College Mathematical Economics & Applied Mathematics GPA: 3.87	Aug 2007 - May 2011 Bachelor of Science

HONORS AND AWARDS

Patrick Henry Merit Scholarship; Phi Beta Kappa; Wall Street Journal Student Achievement Award; Pi Mu Epsilon; Omicron Delta Kappa; Chi Beta Phi; Omicron Delta Epsilon

LANGUAGES

English (fluent), Nepali (native), Hindi (intermediate)