SHAURYADITYA SINGH

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SUMMARY

Data science practitioner with 2 years of analytics & process experience across manufacturing and operations. Convert business problems into EDA insights, ML pipelines (scikit-learn/XGBoost/Prophet), and decision-ready dashboards (Power BI, Tableau, Streamlit). Comfortable with Python, SQL, Git/Jupyter, time-series forecasting, feature engineering, and stakeholder communication.

EXPERIENCE

Data Science Intern
Unified Mentor | Mar 2025 – Aug 2025 | Remote, Canada
• Collaborated with mentors on 4 full-cycle analytics projects using Python, Pandas, and visualization libraries
• Conducted exploratory data analysis (EDA) and statistical modeling for a Netflix content analysis project utilizing NumPy, Matplotlib, and Seaborn.
• Built a time-series forecasting model for Uber trip demand leveraging Prophet, Scikit-learn, and XGBoost, improving route allocation planning.
• Performed logistic regression and decision tree classification on IBM HR data to identify employee attrition patterns.
• Applied data preprocessing and clustering techniques to analyze supply chain trends, improving supplier risk visibility.
• Documented and presented findings leveraging Jupyter Notebooks and Streamlit, ensuring communication of technical insights to non-technical stakeholders through interactive dashboards.

Data Analyst (Process/Operations)
Sini Designs Pvt. Ltd. | Jan 2021 – May 2024 | Hybrid, India
• Built and deployed ML models for demand forecasting, supplier segmentation, and quality defect detection.
• Developed predictive models to forecast seasonal apparel demand, improving procurement and production planning accuracy by 20%.
• Implemented clustering algorithms to segment customer regions and streamline marketing campaigns.
• Led data-driven projects to optimize inventory turnover, reducing stockouts and excess by 15–20%.
• Mentored 2 analysts and worked with marketing, logistics, and production teams to deliver data-driven insights.
• Presented quarterly insights to company leadership, aligning analytics outputs with strategic business goals.

Technical Projects

IBM HR Analytics - Attrition Predictor (E2E) | Python, pandas, scikit-learn, Streamlit
  • Cleaned data, engineered features, tuned models; +12% F1 vs. baseline; deployed a Streamlit what-if tool.
Uber Trip Time-Series Forecasting | Prophet, XGBoost, pandas, matplotlib
  • Modeled daily/weekly seasonality and events; improved MAPE and produced staffing/route scenario dashboards.
Netflix EDA & Content Insights | pandas, seaborn, plotly
  • Built interactive visuals; surfaced genre/time trends and content gaps to inform catalog strategy.
Crypto Trends (BTC/ETH) | Tableau, moving averages, volatility bands
  • Built an interactive Tableau dashboard for trend/volume correlation monitoring.

EDUCATION

Stevens Institute of Technology   **May 2027**
Master of Science; Major in Data Science with Concentration in Data Engineering   NJ, United States
Relevant Coursework: Machine Learning, Data Wrangling, Statistical Modelling, Big Data Systems
University of British Columbia   **May 2025**
Bachelor of Applied Science; Major in Process Engineering with Minor in Commerce   BC, Canada
Relevant Coursework: Process Modeling, Optimization, Applied Mathematics, Business Finance

SKILLS

• **Programming/Data:** Python, SQL, Jupyter, Git, Excel (Pivots/VLOOKUP), Sheets
• **Py Data/ML:** pandas, NumPy, scikit-learn, XGBoost, Prophet, matplotlib, plotly, seaborn
• **BI & Apps:** Power BI (DAX basics), Tableau, Streamlit
• **Techniques:** EDA, regression/classification, clustering, time-series forecasting, feature engineering, model evaluation, cross-validation
• **Domains:** Manufacturing, Supply Chain, Operations Analytics
• **Cloud/Foundations:** GCP (Data Eng & ML coursework), AWS Cloud Practitioner (in progress)