SHAURYADITYA SINGH

+1 (551) 998-9516 | shauryaditiyas@gmail.com | LinkedIn | GitHub | Portfolio

SUMMARY

Data Science graduate student with 2 years of analytics and process optimization experience across e-commerce, transportation, and manufacturing. Skilled in Python, SQL, machine learning, and BI tools, with a proven ability to deliver predictive models and business intelligence solutions that reduce costs, improve forecasting accuracy, and optimize operations. Seeking 2026 internships in data analytics, data science, or machine learning to create data-driven business impact.

EXPERIENCE

Unified Mentor   **Mar 2025 - Aug 2025**
Data Science Intern   *Remote, Canada*
- Delivered analytics support on 4 cross-functional projects, reducing rework by 28% through clean data pipelines and standardized documentation.
- Developed a forecasting pipeline for rideshare trip demand using feature engineering and cross-validation, improving route allocation accuracy by 15%.
- Built classification models to predict HR attrition, boosting recall of at-risk employees by 22% and identifying key turnover drivers.
- Automated ETL processes with Python/SQL and deployed dashboards (Power BI, Tableau, Streamlit), saving 5+ hours/week on reporting tasks.
- Collaborated with operations and engineering teams to align analytics solutions with real-world business requirements, ensuring adoption and measurable performance gains.

Sini Designs Pvt. Ltd.   **Jan 2023 - May 2024**
Junior Data Analyst   *Hybrid, India*
- Implemented forecasting and anomaly detection models, significantly improving procurement accuracy by 20% and reducing inventory mismatch by 17%.
- Designed reconciliation checks across purchase, inventory, and sales datasets, cutting data discrepancies by 30%.
- Optimized SQL joins and ETL workflows, reducing query runtime and ad-hoc requests by 35%.
- Presented insights in executive reviews and mentored 2 junior analysts to foster a data-driven decision-making culture.

TECHNICAL PROJECTS

Uber Trip Time-Series Forecasting: Python (pandas, Prophet), Power BI
- Built time-series forecasting models to predict NYC Uber demand, improving historical prediction accuracy by ~15%.
- Developed an interactive dashboard to visualize demand scenarios, supporting resource planning and route optimization.

IBM HR Attrition Analysis: Python (scikit-learn), Streamlit, Git
- Designed logistic regression and decision tree models to predict employee attrition, boosting recall by 22%.
- Deployed a Streamlit app with clear visual explanations for HR stakeholders to proactively address retention risks.

Waste Classification with CNN: Python (PyTorch, timm, Streamlit)
- Fine-tuned a ResNet-50 CNN using 4K+ waste images to classify waste into 6 categories for recycling optimization.
- Implemented Test-Time Augmentation and abstain logic for uncertain predictions, improving model robustness.
- Built a Streamlit interface with drag-and-drop image upload, preview, and class probability visualization for quick decision-making.

EDUCATION

Stevens Institute of Technology   **May 2027**
Master of Science, Data Science with Concentration in Data Engineering
- **Coursework:** Machine Learning, Data Wrangling, Statistical Modelling, Big Data Systems, Reinforcement Learning

University of British Columbia   **May 2025**
Bachelor of Applied Science, Process Engineering with Minor in Commerce
- **Coursework:** Process Modeling, Optimization, Applied Mathematics, EDA, Business Finance

SKILLS

- **Programming & Data Tools**: Python, SQL, Excel (Pivot Tables, VBA), Git, VS Code, Programming R
- **Data Analytics & Modeling**: Tableau, Pandas, NumPy, Matplotlib, Seaborn, Streamlit, Data Cleaning, Data Modeling, Reporting Automation, Regression, Classification, Feature Engineering, Anomaly Detection, Time-Series Forecasting, Model Deployment
- **Machine Learning Algorithms & Forecasting**: Scikit-learn, XGBoost, Prophet, Predictive Modeling, Classification Models, CNNs (ResNet-50), Random Forest
- **Business & Domain Knowledge**: Business Intelligence, E-commerce Analytics, HR Analytics, Process Optimization, Stakeholder Communication, Agile/Scrum Fundamentals, Troubleshooting
- **Certifications:** IBM Data Science Professional (Expected Oct 2025), Google Data Analytics Certificate, Microsoft Data Analytics Using Excel, GCP Data Engineering Fundamentals (Expected Dec 2025)