Sajan Singh Shergill – Data Science

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**Professional Summary**

* Pursuing Master’s in Data Science at Pace University with a strong academic foundation in data engineering concepts, machine learning, and cloud-based analytics workflows.
* Proficient in Python and SQL, used extensively to automate testing pipelines, transform large datasets, and build predictive models for customer churn and energy demand forecasting.
* Hands-on experience with cloud platforms like GCP, along with tools like Jupyter, Selenium, and Tableau to manage and analyse both structured and unstructured data across QA and analytics projects.
* Familiar with development tools such as VS Code, and experienced in creating ETL workflows using Python, contributing to real-time analytics dashboards and reproducible data pipelines.
* Strong data storytelling and governance mindset, demonstrated through clean coding practices, accuracy-first QA strategies, and the ability to communicate insights from dashboards and ML models to cross-functional teams.

**Professional Experience**

**Eduvanz Financing Private Limited | Mumbai, India**

**Quality Assurance Engineer Level 1                                         February 2022 – June 2024**

Chosen to lead QA automation and workflow optimization across departments using Salesforce LMS.

* Led the QA analysis for Salesforce LMS integration with Stride Inc.’s business module, improving operational efficiency by 40% across education financing workflows.
* Managed a team of four and collaborated with cross-functional stakeholders to test customer-facing applications and ensure seamless credit risk validation.
* Introduced scalable QA practices that streamlined release cycles and reduced bug resolution time by fostering stronger QA-to-dev communication.
* Played a key role in digital transformation by enhancing test coverage, accelerating go-to-market delivery, and enabling data-driven improvements across multiple product lines.

**Education**

**GRADUATE – DATA SCIENCE** | Pace University, New York, NY

**UNDERGRADUATE – COMPUTER SCIENCE** | Guru Nanak Khalsa College, Mumbai, Maharashtra

**TECHNICAL SKILLS:**

**Languages & Tools:** Python, SQL, R (basic), Scala (familiar), VS Code, Git, Jupyter, Google Colab

**ETL & Cloud: pandas,** NumPy, Apache Airflow (familiar), AWS Glue (familiar), GCP, AWS (exposure)

**Databases:** MySQL, PostgreSQL; experienced with structured/unstructured data and SQL joins

**ML & Forecasting:** Random Forest, XGBoost, Prophet, ARIMA, Logistic Regression; evaluation using ROC-AUC, R², MAPE

**Visualization & Reporting:** Tableau, Power BI, Excel, matplotlib, seaborn; strong data storytelling skills

**Other:** Data quality focus, version control, unit testing basics, object-oriented Python