# AWANTIKA SRIVASTAVA

**Spec Analytics Analyst | Data Science, SQL**

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## PROFILE SUMMARY

Spec Analytics Analyst / Junior Data Scientist with **2+ years of experience** working on **large and complex datasets** to support data-driven business decisions. Strong foundation in **data extraction, cleaning, exploratory data analysis (EDA), and statistical analysis**, with hands-on experience using **SQL and Python**. Adept at applying analytical thinking to evaluate factual information, make sound judgments, and support business strategies in **regulated, risk-aware environments**. Known for clear communication, attention to detail, and the ability to work effectively in matrix and cross-functional teams.

## CORE TECHNICAL SKILLS

- **Programming & Data Science:** Python (Numpy, Pandas), Jupyter Notebook.
- **SQL & Data Management:** SQL (Joins, Subqueries, CTEs), Data Retrieval, Data Cleaning, Data Validation.
- **Statistics & Mathematics:** EDA, Statistical Modeling, Hypothesis Testing, Confidence Intervals, A/B Testing, Scenario Analysis.
- **Machine Learning:** Supervised & Unsupervised Learning, Regression, Classification, Clustering, Random Forest, Decision Trees, SVM, KNN, K-Means, XGBoost.
- **Deep Learning :** Neural Networks, CNN, RNN, LSTM, Transformers (BERT), Transfer Learning, Model Fine-tuning, Computer Vision.
- **Data Visualization & Reporting:** Analytical Reporting, Data Visualization, Business Insights.
- **Professional Skills:** Analytical Thinking, Problem Solving, Technical Communication, Independent & Collaborative Work.

## EXPERIENCE

**Spec Analytics Analytics / Data Scientist | PPS International Pvt. Ltd.** **January 2024-Present**

- Worked with **large, complex internal and external datasets** to evaluate trends and support business and operational strategies.
- Retrieved, compiled, and validated datasets using **SQL and Python**, ensuring data accuracy and consistency.
- Performed **data cleaning, preprocessing, and exploratory data analysis (EDA)** to identify patterns, anomalies, and data quality issues.
- Applied **statistical techniques** to analyze outcomes and measure performance against defined metrics.
- Prepared **routine analytical reports and visual summaries** to support decision-making by senior analysts and stakeholders.
- Documented **data requirements, assumptions, and analytical methodologies** to ensure transparency and repeatability.
- Supported **risk-awareness and compliance practices** by handling data responsibly and escalating issues when required.
- Supported **peer reviews** and ensured analytical outputs met quality and documentation standards required in regulated environments.

## PROJECTS

**Operational Safety Data Analysis (Behavioral Analytics) | Enterprise ML Project**

- **Analyzed large-scale operational** and **behavioral datasets** (event logs, incident records) to identify recurring patterns and risk indicators impacting safety outcomes
- Performed **data extraction, cleaning, validation, and exploratory data analysis (EDA)** to ensure high data quality prior to analysis.
- Applied **classification-based analytical techniques** and statistical measures to evaluate factors contributing to unsafe events.
- Conducted **trend analysis and error analysis** to assess consistency of patterns across time periods.
- Documented assumptions, data limitations, and analytical methodology, and summarized findings into **clear, structured reports** to support informed decision-making by stakeholders.
- Performed **data consistency checks and reconciliation** across multiple sources to ensure reliability of analytical outputs.
- Assisted senior analysts in **reviewing results and validating conclusions** prior to final reporting.

**Text & Sentiment Data Analysis | link - https://youtube-ai-analyzer-ndzqo6r2mepjrtsdjmwaxl.streamlit.app/**

- Worked with **large volumes of unstructured text data** to analyze sentiment and engagement trends across user-generated content.
- Performed **text preprocessing, feature extraction, and exploratory data analysis** to identify key sentiment drivers.
- Applied **statistical analysis and supervised classification models** to categorize sentiment and evaluate performance using standard metrics.
- Conducted **comparative analysis** across segments to uncover variations in sentiment patterns.
- Translated analytical outputs into **business-relevant insights and visual summaries**, demonstrating how sentiment trends can inform product and customer-experience decisions.
- Conducted **time-based trend analysis** to observe changes in sentiment over different periods.
- Documented findings, assumptions, and limitations to ensure **clarity, traceability, and repeatability** of analysis.

## CERTIFICATION

- IBM Data Science & AI Certification
- AWS Generative AI with Large Language Models
- OpenCV Computer Vision Certification

## EDUCATION

**IMS Engineering College, Ghaziabad** **September - 2020**

**Bachelor of Technology (Electrical and electronics engineering)**