Vanshika Gogna

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SUMMARY

Results-driven Analyst with 1+ years of experience in SQL, Python, Power BI, and machine learning. Skilled in building dashboards, automating content workflows, and applying predictive modeling techniques to solve real business problems. Proven ability to extract actionable insights, enhance reporting efficiency, and collaborate across teams to support data-driven decision-making and business growth.

SKILLS

Languages:	Python, SQL, R
Frameworks:	Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn
Tools:	Power BI, Excel, PowerPoint, Tableau, Advance SQL, Machine Learning, Deep Learning, NLP, Alteryx
Platforms:	Jupyter Notebook, Visual Studio Code, Publisher
Soft Skills:	Problem Solving Skills, Creative, Excellent communication, Research and Analysis skills

WORK EXPERIENCE

Nirvana Solutions Pvt. Ltd. — Gurugram, India
Business Analyst — May 2025 – Present

- **Content Automation & Workflow Design:** Built and managed dynamic workflows for automating content generation, including documents with charts, tables, and narrative commentary, reducing manual effort and increasing delivery speed.
- **Client Collaboration & Delivery:** Acted as a bridge between clients and the technical team—gathering requirements, troubleshooting issues, and ensuring smooth delivery of content solutions.
- **Data Analysis & SQL Expertise:** Used SQL and analytical tools to monitor performance, identify inefficiencies, and drive improvements in document automation processes.
- **Strategy & Execution in Dynamic Document Setup:** Played a key role in setting up dynamically rendered documents from scratch, contributing both strategic input and hands-on execution in a fast-paced, collaborative environment.

Airex Overseas LLP — Delhi, India
Data Analyst — June 2024 – May,2025

- **Sales Performance Analysis:** Analyzed daily sales activities using **SQL**, **Python**, and **data analytics techniques**, leading to a **15% improvement** in individual salesperson performance and a **10% increase** in overall sales efficiency.
- **Monthly Reporting:** Generated **weekly and monthly reports** by extracting, cleaning, and preprocessing data from **over 500+ records** across multiple sources. Ensured **99% data accuracy**, resulting in **25% faster** reporting and **improved decision-making**.
- **Data Visualization:** Designed **6+ interactive Power BI dashboards** to visualize **KPIs** and actionable insights, reducing reporting time by **30%** and enabling quicker, data-driven decisions for management.
- **ERP/CRM Software Enhancement:** Led a **cross-functional team of 4** to implement key modifications in **ERP and CRM systems**, improving system performance. Resulted in a **90% increase in user satisfaction** and **50% reduction in system errors**.
- **Data Mining:** Extracted and delivered **accurate data** to the sales team from a database of **10,000+ entries**, maintaining **100% data integrity**. Supported **strategic planning** with insights that led to a **20% increase in lead conversion rates**.

Toriox Pvt. Ltd. — Remote, India
Python developer and Machine Learning Intern — Jan 2024 – Apr 2024

- **Enhanced Data Integrity:** Merged and cleansed **financial data sets** for major currency pairs (EUR/USD, GBP/USD, USD/JPY), handling missing values, duplicates, and outliers, resulting in **90% data accuracy** and **error reduction** across **100,000+ records**.
- **Advanced Data Analysis:** Applied **statistical analysis techniques** such as **moving averages**, **MACD**, **RSI**, and **Candle Color** to detect outliers, improving accuracy by **25%** and enhancing financial trend predictions.
- **Time Series and Predictive Modeling:** Engineered five automated data pipelines and ETL processes that transformed raw data into actionable insights, reducing data processing time by **40%** and enabling instant access to real-time analytics for project stakeholders.
- **Data Governance and BI Reporting:** Ensured **data governance** and optimized **machine learning algorithms**, delivering **quantitative analysis** through **BI tools** like **Tableau** and **Power BI**. Achieved **20% faster reporting** and enhanced insights for **strategic planning**.

PROJECTS

Fake News Detection using ML

- Implemented a sophisticated fake news detection model integrating machine learning and natural language processing, specifically utilizing **Long Short-Term Memory (LSTM)** networks.
- Developed a robust AI framework that processed over **50,000** articles, achieving a **95% accuracy rate** in identifying fabricated news; the system has since been integrated into the customer service workflow for enhanced reliability.

Forex Trading Bot

- Designed a Forex Trading Bot integrating advanced data analysis and machine learning techniques like LSTM models, achieving a notable Training accuracy **98% Testing accuracy 70% accuracy rate**.
- Libraries and Tools: Flask, Meta Trader 5, Pandas, NumPy, Talib, TensorFlow, Scikit-Learn, Keras
- Techniques: Time Series Forecasting, Algorithmic Trading,

Loan Eligibility Prediction

- Implemented a robust machine learning model for assessing loan eligibility, leveraging a diverse range of algorithms, including random forest, support vector machines, and gradient boosting machines.
- Achieved an accuracy rate of **75%** through various ML algorithms.
- Employed Python libraries like **Matplotlib** and **Scikit-learn** for analysis data points.
- Enhanced depth and accuracy of insights with advanced **Python** tools.

EDUCATION

Sharda University   Oct 2021 – June 2024
B.Sc. Data Science and Analytics
CGPA: 9.01 / 10

CERTIFICATION AND TRAINING

- Machine Learning and Deep Learning (NPTEL
- SQL Learning Path (Team Code On).
- Data Analysis with Python (Google).
- Share Through the art of Visualization (Google)