KIRTEE VINODBHAI PATEL

DATA ANALYST - Data Visualisation (PowerBI & Tableau), Python, SQL & Statistics

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SKILLS

- **Languages**: Python, NumPy, Pandas, Matplotlib, Seaborn, SciPy, Scikit-Learn, TensorFlow, Keras, PyTorch
- **Data Tools**: Power BI, Tableau, Excel, MySQL, PostgreSQL, Docker, Kubernetes, Hadoop, Kafka, Flink
- **Web Systems**: REST APIs, Git, GitHub, version control, collaborative workflows, integration pipelines
- **Analytics Platforms**: Google Analytics, KPI Reporting, A/B Testing, statistical modeling, predictive insights
- **Big Data**: Apache Spark, PySpark, distributed computing, real-time streaming, batch processing, scalability

WORK EXPERIENCE

Data Analyst **June 2024 - December 2025**
Top Talent Bridge *Remote, Canada*

- Assessed outreach & application funnel datasets, mapping conversion patterns, boosting response rates by 30%.
- Developed KPI performance dashboards, integrating registration, onboarding, placement and conversion metrics, standardizing 4 analytical reporting pipelines.
- Evaluated job market datasets, segmenting demand clusters, tracking skill progression patterns and identifying 15 specialized role categories.
- Refined keyword frameworks, restructuring screening parameters, enhancing search indexing across 25 ranking attributes.

Data Analyst Intern **December 2021 – December 2022**
Divine Infosoft *India*

- Analyzed financial, operational, and customer datasets using Python and SQL queries, processing 50,000+ records monthly to extract actionable business insights and coordinated across teams.
- Conducted customer segmentation analysis across 8 behavioral categories, supporting targeted strategies and increasing decision-making efficiency by 28%.
- Designed and maintained 12 interactive dashboards using Power BI and Tableau visualization tools, collaborated with cross-functional teams to enable real-time tracking of 25+ KPIs across departments.
- Automated recurring data analysis workflows using Python scripts and ETL processes, reducing manual processing time by 18 hours weekly and improving efficiency.

PROJECT EXPERIENCE

Big Data Processing with Apache Hadoop & Spark GitHub Repo
Data Analyst

- Processed 1TB structured and semi-structured datasets using Hadoop and Spark for scalable analysis.
- Benchmarked Hadoop versus Spark performance, reducing processing time by 30% and optimizing utilization.
- Visualized comparative metrics, enabling framework efficiency evaluation & supporting architecture optimization.
- Enhanced system throughput by 25% via Spark pipelines, improving overall data processing speed scalability.

Fraud Detection System Live Link
Data Analyst

- Assessed transactional datasets using Python, SQL, and statistical models to identify fraud detection patterns.
- Conducted anomaly detection and EDA, uncovering high-risk transactions and reducing false positives by 15%.
- Designed decision tree and neural network models, achieving 20% improvement in fraud classification precision.
- Lowered financial losses by 20% through predictive fraud detection insights, strengthening organizational security.

Employee Turnover Prediction Model Live Link
Data Analyst

- Analyzed demographic, performance, & compensation datasets using Python & SQL to identify attrition drivers.
- Created logistic regression models, achieving 25% improvement in prediction accuracy for HR decision-making.
- Visualized attrition trends and risk factors using Matplotlib and Seaborn, enabling actionable workforce planning.
- Reduced turnover risk by 25% via predictive analytics, supporting HR operations in optimizing retention stability.

EDUCATION

Masters of Science in Big Data Analytics January 2023 – May 2024
Trent University, Peterborough, Ontario

Bachelors of Technology in Computer Engineering September 2018 – May 2022
P. P. Savani University, Surat, India

CERTIFICATIONS

- **Python for Data Science and Machine Learning Bootcamp – Udemy**
- **Machine Learning Pipelines with Azure ML Studio – Coursera**
- **Linear Regression with NumPy and Python – Coursera**
- **Introduction to Cloud – IBM (Cognitive Class)**
- **Cloud Core – IBM**