

NISHANT SUNIL PARDESHI

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PROFESSIONAL SUMMARY

Results-driven Data Engineer and Python SQL Developer with 3 years of experience designing scalable data pipelines, automating ETL workflows, and managing enterprise databases. Proven track record of improving query performance by 25%, maintaining 99.9% database uptime, and delivering zero data loss incidents. Expert in Python, SQL, Azure Data Factory, Apache Spark, and Power BI. Adept at transforming raw data into actionable business insights. Currently pursuing MSc in Business Analytics and Big Data at University of Liverpool.

TECHNICAL SKILLS

Programming: Python, SQL (T-SQL, MySQL, PL/SQL) **Python Libraries:** Pandas, NumPy, PySpark, Scikit-learn, Matplotlib, Seaborn

Big Data: Apache Spark, Hadoop, Delta Lake, Distributed Computing **Databases:** SQL Server, Azure SQL, MySQL **Cloud/ETL:** Microsoft Azure, Azure Data Factory, REST API Integration, ETL/ELT Pipeline Development, Data Warehousing

BI Tools: Power BI, Tableau, Excel, Dashboard Development **Other:** Git, GitHub, Agile, Data Modeling, Data Quality

PROFESSIONAL EXPERIENCE

Data Associate (System Associate) – Infosys Pvt Ltd **Dec 2021 – Aug 2024 (2 Years 9 Months)**

- Developed and optimized 50+ Python scripts for automation, data processing, REST API extraction, and daily ETL workflows, reducing manual effort by 40% and improving pipeline efficiency across production systems
- Designed high-performance SQL queries, stored procedures, views, and indexing strategies that improved query execution speed by 25% on databases handling millions of records daily
- Built end-to-end ETL/ELT data pipelines using Python and Azure Data Factory, integrating REST APIs, Excel, CSV, and relational database sources into unified data warehouse solutions
- Managed and optimized large-scale Microsoft SQL Server databases ensuring 99.9% uptime, data accuracy, and consistent performance across all production environments
- Performed complex data cleansing, transformation, validation, and quality assurance to deliver analytics-ready datasets meeting strict business requirements for reporting
- Collaborated with cross-functional teams including business analysts and data scientists to gather requirements and deliver scalable, production-ready data solutions on schedule
- Implemented comprehensive data backup, disaster recovery, and security protocols resulting in zero data loss incidents throughout tenure
- Designed and built interactive dashboards using Power BI and Tableau, enabling data-driven decision-making for business, sales, and operations teams
- Automated data quality monitoring and alert systems to proactively identify and resolve data integrity issues before impacting downstream analytics

PROJECTS

Predictive Customer Churn Analysis | *Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn* **Sept 2025**

- Built complete end-to-end machine learning pipeline including data ingestion, cleansing, feature engineering, model development, and visualization for customer retention analytics
- Conducted exploratory data analysis to identify churn drivers; implemented preprocessing including encoding, scaling, and missing value handling for ML readiness
- Trained and evaluated multiple classification models (Logistic Regression, Random Forest, Decision Trees), achieving 85% prediction accuracy on test data
- Created comprehensive dashboards using Matplotlib and Seaborn to communicate actionable insights enabling proactive customer retention strategies

Solvara Automotive Simulation – University of Liverpool | *Python, Excel, Power BI* **Jul – Sept 2025**

- Analyzed large-scale production and financial datasets using Python and Excel, delivering recommendations that improved manufacturing efficiency by 20%
- Developed interactive Power BI dashboards visualizing KPIs, strategic outcomes, and operational metrics for executive stakeholder decision-making
- Provided data-driven recommendations for business strategy based on comprehensive statistical analysis and trend identification

EDUCATION

MSc Business Analytics and Big Data – University of Liverpool, UK **Sept 2024 – Dec 2025**

BCA Software Development – Savitribai Phule Pune University, India **Jun 2018 – Jun 2021**

CERTIFICATIONS

Microsoft Azure Fundamentals (AZ-900) | Azure Data Fundamentals (DP-900) | IBM Python for Data Science | Infosys Certified Python and MySQL Associate | SQL for Data Analysis (Udacity) | Data Associate Certification (Symbiosis University)