Yanglesh Jaiswal

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EDUCATION

Università degli Studi di Palermo, Italy   *2025 – Present*
Master's in Management Engineering

National Institute of Technology Rourkela, India   *2018 – 2022*
Bachelor of Technology in Computer Science and Engineering

WORK EXPERIENCE

Publicis Sapient (TLG India Pvt. Ltd.)   *2022 – 2025*
Data Engineer / Associate Technology L2

- Designed and implemented an optimized **data-loading architecture** enabling a "**one read, one write**" process to efficiently ingest data from multiple sources into target layers, minimizing redundancy and enhancing performance.
- Conducted comprehensive **data quality validations** using a unified framework to ensure accuracy, consistency, and reliability of analytical outputs across environments.
- Developed and deployed **automated scripts** for a unified batch handler, streamlining **data movement** across **Silver**, **Refined**, and **Gold** layers within **Snowflake**, improving maintainability and standardization.
- Built an **automated ETL testing framework** that reduced manual testing time and improved data accuracy; later adopted organization-wide as a standard for validation.

Netcamp Solutions Pvt. Ltd.   *2022*
Software Engineering Intern

- Contributed to the design and development of an **email communication system** implementing **SMTP** and **POP** protocols for efficient and secure message handling.

PROJECTS

Vendor Sales and Inventory Analytics   *Link*

- Designed and implemented an end-to-end **business analytics solution** to evaluate liquor sales and inventory performance across multiple vendors and brands.
- Utilized **Python** for data filtering, transformation, and automation, integrating **log tracking** and **exception handling** to ensure data accuracy.
- Built optimized **SQL queries** and **data pipelines** for large-scale analysis.
- Developed an **interactive dashboard** visualizing key business metrics, uncovering high-sales/low-margin and low-sales/high-margin insights.
- Enabled **data-driven decisions** for pricing, discount planning, and inventory optimization.

Hospitality Management System Dashboard   *Link*

- Developed a **Power BI dashboard** to monitor and analyze booking data across hotels in multiple Indian cities.
- Implemented **data cleaning**, **filtering**, and **KPI metrics** (**ADR**, **Occupancy%**, **Revenue**) for actionable insights.
- Delivered management insights to optimize occupancy, pricing, and performance.

Banking Sector Performance Dashboard   *Link*

- Designed a multi-page **Power BI dashboard** leveraging **SQL** for data modeling and analysis of banking sector performance.
- Consolidated large datasets on **deposits**, **borrowings**, and **foreign reserves**, enabling comparative trend analysis.
- Applied **DAX-based metrics** and transformations for consistent reporting.

Supply Chain Analytics Automation

- Developed an automated **supply chain analytics workflow** integrating **n8n** for orchestration and **Quadratic AI** for transformation.
- Built a **data pipeline** from email extraction to MySQL storage for analytics.
- Improved data processing speed and ensured real-time visibility into supply metrics.

SKILLS OVERVIEW

- **Programming:** Python, Java, C++
- **Data Analytics:** PySpark, Databricks, Orange, Snowflake
- **Databases & OS:** MySQL, PostgreSQL, Linux, Windows, macOS
- **Cloud Platforms:** Azure, AWS, Google BigQuery, Azure Data Factory, Azure Data Lake
- **Frameworks & Tools:** Power BI, Hadoop, Git, Jupyter, Microsoft Excel, Jira, Rally
- **AI & Automation:** Quadratic, N8N, GitHub Copilot
- **Soft Skills:** Agile Methodology, Scrum Ceremonies, Critical Thinking, Problem Solving, Communication

LANGUAGES

English • Italian • Hindi • Nepali