

RAKSHITH B N

Experience

Lead Data QA Analyst, XcitEducation

28/01/2021 – 05/07/2021 | Bengaluru, India

Extracted, cleaned, and preprocessed data from structured and unstructured databases and multiple sources, using SQL and Python. Ensured data integrity and quality by implementing various validation and cleaning processes, enabling accurate and reliable analysis.

Implemented Python-based ETL pipelines for data ingestion, transformation, and validation, and enabling seamless integration with external APIs.

Analyzed and processed large datasets on student and financial operations during exam season, including client turnover volumes, retainment value, and resources utilization. Identified subtle patterns and trends making room for optimizing current standings and presented findings through visual dashboards and reports, driving data driven decisions, and measurable business outcomes.

Applied data validation techniques in Python to ensure data integrity before data ingestion, resulting in 18% decrease in errors in reporting.

Wrote complex SQL queries and functions to support data extraction, transformation and reporting requirements across multiple departments resulting in 8% improvement in data ingestion and transformation speed.

Provided actionable insights to sales team department by tracking key performance metrics, analyzing customer behavior and patterns. These initiatives resulted in client turnover and retainment by 12%.

Delivered monthly reporting on financial performance and operational KPIs, helping maintain industry standards, also assisted in developing KPI dashboards in PowerBI to track progress and provide actionable insights for stakeholders.

Awarded "The Best Performing Intern" for providing exceptional corporate services.

Student Intern, Bharath Heavy Electrical Limited

09/01/2022 – 30/09/2022 | Mysore Road Branch, Bengaluru, India

Created reports for resource management and financial budgeting, ensuring data accuracy, integrity and clarity for senior management. Designed and implemented analytical models to optimize financial planning and resource allocation, resulting in 5% reduction in operational costs.

Developed, consolidated, and maintained dashboards as per request and transformed business objects to create compelling dashboards to provide business insights, track KPIs and support operational decision making, whilst maintaining strong focus on data integrity for reliable analysis, reporting and decision making.

Implemented VLOOKUP functions and pivot tables for efficient data retrieval across multiple sheets and tables, resulting in 7% increase in data validation and cross-referencing accuracy. Additionally, created dashboards and reports for resource management and financial budgeting based on mock data as part of training.

Visited several branches of the Heavy Equipment manufacturing sector to study operations and collaborate with operations, and engineering teams on experiment designs and data usage. Additionally, assisted in maintaining weekly, monthly and quarterly reports in key performance and operations sector.

Contact

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Education

Master of Applied Computer Science, St. Francis Xavier University

Antigonish, NS, Canada

B.E - Computer Science Engineering, K S School of Engineering and Management

05/09/2023 – 30/12/2025 | Bengaluru, India
CGPA – 8.6/10

Skills

Technologies

Python, C++, PowerBI, Excel, SQL, SciKit, TensorFlow, PyTorch, Google Cloud, AWS, Vim, Docker, TypeScript, React, Tailwind CSS

Achievements

Google Cloud Facilitator 2020, 2021.

Microsoft Student Ambassador 2020.

Finalist in Project Club presentations conducted by K S School of Engineering.

Winners of Hackathon organized by K S Institute of Technology.

Projects

PEFTkit

Python toolkit for fine tuning image datasets with ViTs, PEFT, and LoRA

Parasitic Egg Detection

Built ML models outperforming top ICIP 2022 Grand Challenge models

Mass Spectrometry Analysis

Produced an in-depth data analysis report of a large mass spectrometry dataset to FlareLabs.

Miscellaneous

Google Developer Group Lead, 2022 - 2023

Soccer Coach for Elite Soccer Club and Coaching | Bengaluru

Represented Karnataka U-16 Football team, Bengaluru, India