HARISH KUMAR D

SENIOR PL/SQL & ETL DEVELOPER

LinkedIn • Portfolio • harishkumard97@gmail.com • +1 (226) 961-9959 • London, ON

PROFESSIONAL SUMMARY

- **Database & BI Developer** with 4+ years of experience in PL/SQL, Oracle 12c/19c, and advanced SQL optimization.
- Skilled in **Power BI, Tableau, Python (Pandas, NumPy)**, and data modeling for enterprise reporting and automation.
- Awarded **Best Developer** at MSC Technology for team-based performance; won **1st Prize** in faculty-led Stationer Tracker website challenge.
- Earned **two Academic Excellence Scholarships** at St. Clair College with a perfect **4.0 GPA** across semesters.

PROFESSIONAL EXPERIENCE

MSC Technology (India) Private Limited - Chennai, India
Senior Developer (SQL & Datawarehouse)

Aug 2019 - Aug 2023

I. Oracle Database Development & PL/SQL Mastery

- **Engineered** high-performance **PL/SQL packages, functions, and triggers** to support core enterprise reporting and operational analytics across **Oracle 12c/19c** environments.
- **Optimized** complex database performance by analyzing execution plans, applying indexing strategies, and refactoring existing **PL/SQL and T-SQL code**, which delivered a quantifiable **35% reduction in data processing time**.
- Led the procedural component of a system upgrade, successfully **migrating over 150 complex PL/SQL objects** to a new Oracle version **with zero downtime.**
- **Ensured** code quality and security standards by leveraging **SonarCloud** for continuous static analysis and automated reporting across all development projects.
- Automated all daily and nightly scheduled jobs using the **DBMS Job scheduler**, implementing robust logging and error handling for production stability.

II. Data Integration & ETL Engineering (SSIS, Volume, Complexity)

- **Designed, developed, and deployed 50+ production SSIS packages** to manage the end-to-end ETL process, handling data integration for over 50 application screens.
- **Processed** complex inbound data feeds, implementing custom logic for **JSON data validation and conversion** to transform raw JSON and **XML** data into structured relational tables for reporting.
- Adhered to stringent **data safety practices** throughout all stages of the ETL process to meet compliance and governance requirements.

III. Production Support & Cross-Functional Collaboration

- **Provided** high-priority **Production Support**, including **immediate bug fixing** and executing a**d-hoc SQL queries** for sudden reporting needs, maintaining business continuity.
- Collaborated consistently with technical teams (including .NET, BizTalk, Functional, and Testing) throughout the **Agile lifecycle**, contributing expertise on data requirements and deployment planning.
- **Designed** and maintained scalable dimensional **data models** (star/snowflake schemas) and **E-R diagrams**, supporting high-volume enterprise data warehousing.
- Supported the Business Intelligence layer by developing key **T-SQL stored procedures** and **views** in the SQL Server environment, and collaborating on **Power BI dashboards.**
- **Earned** the **"Best Developer" award** for driving consistent project delivery, mentoring junior developers, and achieving measurable performance improvements.

TECHNICAL SKILLS

Database Development & SQL: SQL | PL/SQL | T-SQL | Oracle 12c/19c | SQL Server | Toad | SSIS | SQL Developer
Stored Procedures | Functions | Triggers | Complex ad-hoc queries | Query Optimization | Indexing | Partitioning
Data Modeling | E-R Diagrams | Star/Snowflake Schemas

Business Intelligence & Reporting: Power BI | Power Query | DAX | Tableau | Interactive Dashboards

Programming & Data Analysis: Python | Pandas | NumPy | JSON | Exploratory Data Analysis (EDA) | Web apps with
Streamlit or Flask

DevOps & Agile Tools: Azure DevOps | Azure Repos | Git (Branching, Merging, Pull Requests) | Agile
Methodologies | Scrum Teams

Testing & Support: Unit Testing | Integration Testing | UAT | Log Analysis | Troubleshooting Production Issues

Cloud Awareness: Basic understanding of Azure Databricks | AWS | GCP | Cloud-based data workflows

---

RELEVANT PROJECTS

I. Stationer Success Tracker (Full-Stack Data Application)   Jun 2025 - Sep 2025

- **Result**: Designed and deployed a full-stack web application to track **4 core business metrics** (sales, profit,
  projects, feedback) for creative businesses, establishing a unified management dashboard.
- **Technology**: Used **PostgreSQL** for backend data modeling and implemented the front-end using HTML,
  CSS, and **JavaScript** (with **GitHub Copilot**), deployed live on Render.
- **Won first place** in a competitive project submission.

Links: <u>Live Demo</u> | <u>Source Code</u>

II. Dry Eye Disease Prediction (Machine Learning & Health Analytics)   Feb 2025 - Mar 2025

- Result: Developed an ML pipeline and **Flask** application to predict dry eye disease; achieved a superior **94%
  recall rate** using **Naive Bayes**, a critical metric for diagnostic accuracy.
- Technology: Applied multiple algorithms using **Python** and **PyCaret** (Scikit-learn), confirming strong
  sensitivity across various health indicators.

Links: <u>Source Code</u>

III. Customer Feedback Analysis (NLP & Sentiment Analysis)   Dec 2024 - Jan 2025

- Result: Engineered an **NLP pipeline** to process over **17,000 hotel reviews**, classifying sentiments with **87%
  model accuracy** to provide direct, actionable insights on issues like "dirty rooms."
- Visualization: Created high-impact **Tableau** dashboards to visualize sentiment trends, utilizing **Python
  (Pandas, NLTK)** for data processing and analysis.

Links: <u>Source Code</u>

EDUCATION

St. Clair College | Windsor, Ontario, Canada
Post Graduate Diploma in Data Analytics
Completed: April 2023

Anna University | Chennai, India
Bachelor of Engineering in Mechanical Engineering
Completed: April 2019

TECHNICAL TRAINING & SPECIALIZED PROGRAMS

- PGP in Data Science & ML (Intellipaat/MITx)
- Machine Learning with Python (MITx/edX)
- Microsoft Power BI Course (Intellipaat)
- Advanced T-SQL (LinkedIn Learning)
- Agile Foundations (LinkedIn Learning).