

SHON TOM

Data Engineer

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[LinkedIn](#) | [Shon Tom](#)

PROFESSIONAL SUMMARY

Data professional with nearly 3 years of experience in PL/SQL database development, data modeling, and data pipeline optimization. Proficient in SQL, Python, R, and data visualization tools. Hands-on experience in data cleaning, transformation, and analysis, ensuring high data quality and compliance. Currently pursuing a Master's in Data Science, focusing on machine learning, predictive analytics, and big data technologies. Adept at building scalable data pipelines, optimizing queries, and leveraging data insights for decision-making.

EDUCATION

Master's in Data Science

South East Technological University, Carlow, Ireland.

Sep 2024 – Present

Bachelor of Engineering in Mechanical Engineering

CGPA:7.54

AJ Institute of Engineering & Technology, Mangalore, India

Aug 2017 – Aug 2021

- Effect of Corrosive Environment on Fracture Toughness of Aluminum 6061 Alloy

PROFESSIONAL EXPERIENCE

Systems Engineer

TCS, Kochi, India

Dec 2021 - Current

- Developed and optimized data pipelines for data extraction, transformation, and loading (ETL) processes using PL/SQL, supporting seamless integration across systems.
- Designed and maintained scalable database systems, implementing normalization, indexing, and constraints to enhance query performance and data integrity.
- Processed and analysed large datasets to support operational reporting, ensuring accuracy and actionable insights.
- Collaborated with cross-functional teams to implement data quality standards, performing data profiling and cleansing to ensure consistency and compliance with governance policies.
- Identified and resolved critical database issues, leveraging debugging and performance monitoring tools to enhance system stability and reduce query execution time.

Intern (Machine Learning)

Prinston Smart Engineers

Mar 2021–Apr 2021

- Developed and optimized predictive models using Python and TensorFlow, with a focus on data preprocessing, feature engineering, and hyperparameter tuning.

SKILLS

Technical

- **Programming:** Python, R, SQL, PL/SQL
- **Databases:** MySQL, Oracle, MongoDB
- **Data Engineering:** ETL Processes, Data Warehousing, Big Data (Hadoop/Spark), Database Management Systems
- **Tools:** Control-M, Git, Jupyter Notebook, Tableau, Power BI
- **Cloud Platforms:** Microsoft Azure, Google Cloud Platform (GCP)

Soft Skills

- **Analytical Thinking:** Expertise in identifying trends and insights from large datasets to support data-driven decision-making.
- **Problem-Solving:** Skilled in resolving database issues, debugging code, and optimizing performance.
- **Collaboration:** Experience working in cross-functional teams to achieve project goals.
- **Communication:** Ability to present technical findings and insights to non-technical stakeholders.
- **Adaptability:** Quick to learn and implement new tools, technologies, and frameworks.
- **Attention to Detail:** Ensuring data integrity and accuracy in analysis and database management.
- **Time Management:** Proficient in prioritizing tasks to meet deadlines effectively in fast-paced environments.
- **Agile and Teamwork:** Experienced in collaborating within Agile/Scrum teams to deliver high-quality deliverables on time.

CERTIFICATES

- Microsoft Certified: Azure Administrator Associate
- Google Cloud Certified Associate Cloud Engineer

REFERENCES

Available upon request