Sanjay Varghese Kurian

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TOOLS & TECHNOLOGY	Tableau, PowerBI, MySQL, MS Excel, Python, Java, C, C++, Machine Learning, MS Office AutoCAD 2D & 3D, MATLAB and CATIA
SKILLS	Time management, communication skills, data driven, diligence, analytical thinking and detail-Oriented

EDUCATION

GEORGIAN COLLEGE   **Barrie, ON**
PGDip. in Big Data Analytics   2024

- Dean's List award winner for academic excellence | *Cumulative GPA: 87.52%*
- **Coursework**: *Linux Administration (system management, shell scripting, network configurations), Python Programming (data structures, algorithms, application development), C# Development (OOP, software design), Mathematics for Data Analytics, and Business Process Analysis (process mapping, optimization), MS Excel(macro, vlookup, index match, pivot tables).*

GEORGIAN COLLEGE   **Barrie, ON**
PGDip. in Artificial Intelligence Architecture, Design, & Implementation   2023

- Dean's List award winner for academic excellence | *Cumulative GPA: 88.31%*
- **Coursework**: *ML Frameworks (TensorFlow, PyTorch for model building, training, deployment), Computer Vision (text analysis, image recognition, predictive modeling, object detection), and Advanced Mathematics for Data Science (linear algebra, calculus, probability).*

ANNA UNIVERSITY (COLLEGE OF ENGINEERING)   **Chennai, IND**
B.E. in Mechanical Engineering   2016-2020

- Cumulative GPA: 3.68/4.00
- **Coursework**: *Advanced Heat and Thermodynamics, Machine Design, Computational Fluid Dynamics, and Finite Element Analysis. Proficient in AutoCAD, ANSYS, and CATIA with 200+ hours of hands-on design and simulation experience. Skilled in Python and MATLAB for automation and data analysis, with strong problem-solving abilities for complex engineering challenges.*

PROFESSIONAL EXPERIENCE

TENDERCUTS PVT. LTD   **Chennai, IND**
Business Intelligence Analyst   2021 – 2022

- Implemented operational refinements and data analytics tools, resulting in a 15% increase in revenue for poultry, meat, and Value-Added Products.
- Planned, coordinated, and analyzed supply chain processes, resulting in a growth of Value-Added Products from 4% to 15% and a revenue increase from 10% to 15%.
- Leveraged data tools such as MySQL, Python, Microsoft Excel, and Tableau to analyze datasets, leading to data-driven decisions that contributed to a 10% increase in operational efficiency.

UDVAVISK TECHNOLOGIES PVT. LTD   **Chennai, IND**
Computer Aided Engineering Analyst (CAE)   2021 (6 mos.)

- Designed and conducted smoke and regression analysis to study smoke flow and device effective evacuation measures, improving evacuation time by 30%.

- Designed and analyzed fluid flow in various geometries to enhance the structural integrity of machines and tanks, resulting in a 20% increase in efficiency and reducing material failure by 15%.
- Developed innovative solutions for optimizing fluid dynamics, leading to a 25% improvement in performance and a 10% increase in the reliability of industrial equipment.

TVS MOTOR COMPANY   **Chennai, IND**
Summer Intern   2019 (2 mos.)
- Conducted an in-depth study on consumer behavior within the 3-wheeler industry, focusing on service awareness, parts of life, and the current market scenario.
- Analyzed data provides a comprehensive overview of consumer behavior, resulting in a 15% increase in parts purchases.
- Identified key factors affecting consumer satisfaction and provided actionable insights to improve and fine-tune current service offerings based on present-day market conditions, leading to a 20% increase in service efficiency.

PROJECTS

LOCAL EXPENSE MANAGEMENT & VISUALIZATION PLATFORM   **Barrie, ON**
Flask, Python, pandas, openpyxl, Power BI, Plotly, RapidFuzz, Splitwise API
- Built a Flask-based web tool to clean and categorize expenses with editable forms and autocomplete inputs, replacing manual Excel workflows.
- Integrated a reference Excel table and <datalist>-based autocomplete to assist with consistent category and description entry.
- Fetched live data from the Splitwise API, normalized nested JSON, and auto-categorized transactions using fuzzy matching (RapidFuzz).
- Automated appending of cleaned records to Excel tables with dynamic range updates, formatted for financial reporting.
- Created interactive Power BI dashboards with custom themes, DAX-driven insights, bookmarks, and fallback Plotly charts for offline use.

OTHER QUALIFICATIONS

SIENNA SENIOR LIVING   **Barrie, ON**
Dietary Aide   2023 – present
- In hospital settings, make sure that food is stored properly, maintain hygienic conditions, and follow nutritional guidelines by preparing and serving meals in accordance with dietary requirements.
- Provide outstanding customer service while collaborating with medical personnel to keep an eye on patients' nutritional requirements, help with training, and keep the eating room tidy.

CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate
- Data Visualization with Tableau Specialization (University of California, Davis)
- Excel Skills for Data Analytics and Visualization (Macquarie University)
- AWS Academy Cloud Foundations
- AWS Academy Machine Learning for Natural Language
- AWS Academy Machine Learning Foundations
- Artificial Intelligence and Machine Learning (National Institute of Technology, Warangal)