MARIAN GLEN LOUIS

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EDUCATION

Master of Science – Engineering Science Data Science, University at Buffalo, New York, USA – Expected 2025

Bachelor of Technology – Electronics & Communication, VIT University, Bengaluru, India – 2022   GPA: 7.65/10

XII – Swargarani School, Bengaluru, India – PCMC – PUC – 2018 – 87%

X – Swargarani School, Bengaluru, India – ICSE – 2016 – 84.8%

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, R, C, SQL, HTML, CSS3,Numpy, Pandas, Scikit-Learn
- **Software:** MATLAB, Oracle SQL, Snowflake, Jupyter Notebook, VS Code, Power BI
- **Cloud Platforms:** Google Cloud Platform, Microsoft Azure
- **Other Skills:** Probability Theory, Statistical Data Mining

Relevant Projects

Monitoring of Crop Health and Prediction of Yield: Python, CNN, Deep Learning, Open CV, TensorFlow

- Developed an application utilizing OpenCV and Convolutional Neural Networks (CNN) to detect plant diseases and estimate crop yield based on leaf imagery.
- Integrated a user-friendly interface for real-time disease detection and crop yield estimation, improving the accessibility of the tool for farmers and agricultural researchers.
- Optimized the model for faster image processing and higher accuracy.

Work Experience

Wipro Technologies|Data Quality Analyst| Bengaluru, Karnataka, India   May 2022 – Aug 2024

- Conducted raw data validation and analysis, leveraging Data Vault 2.0 methodologies for effective data management.
- Led a team of three, with two junior members under my supervision; provided comprehensive training from the ground up, and closely monitored their work, reviewing every code and report to ensure accuracy and quality.
- Performed consumer data model analysis to meet BI report requirements using star schema design.
- Validated and analyzed KPIs within the consumer model, ensuring alignment with business logic provided by stakeholders.
- Ensured accuracy of KPI data metrics by comparing results between Power BI (PBI) reports and Snowflake consumer data.
- Tested and validated PBI functionalities such as filters, date range, search boxes, data refresh, and dropdowns to ensure proper functionality.
- Automated testing processes between the source and consumer databases using Python in Jupyter Notebooks, based on client requirements.

World on Networks | Web Developer Intern | Bengaluru, Karnataka, India   Jun 2021 – Aug2021

- Developed responsive user interfaces using modern JavaScript frameworks, HTML5, and CSS3, ensuring cross-browser and cross-device compatibility.
- Leveraged scripting languages and content management tools to design and maintain websites, while continuously enhancing skills through corporate learning and development programs.

Prinston Smart Engineers | Machine Learning Intern| Remote   Oct 2020 – Dec 2020

- Gained hands-on experience in Machine Learning, including key methodologies such as Supervised, Unsupervised, and Reinforcement Learning, developing a strong foundation in algorithmic approaches and data modeling techniques.
- Successfully completed a Capstone Project focused on predictive analytics, leveraging machine learning techniques to analyze data and generate accurate predictions.

CERTIFICATES

- **Crash course on Python by Google**
- **Using Python to Interact with the Operating System by Google**
- **Programming for Everybody (Getting started with Python) By University of Michigan**
- **Machine Learning A-Z: Hands-On Python & R In Data Science by Udemy**
- **Associate GCP Cloud Engineer by Google Cloud**