**Lakshmi Prasanna Yekkaladevi**

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**Executive Summary**

Data enthusiast (master's in computer science) with nearly **3 years of combined experience** across internships and **one plus years of full-time** work in data analytics and engineering. Successfully contributed to **Pfizer client** by managing end to end tasks from data cleaning to providing performance metric visualization —leading to **over** **90% completion achievement**. Skilled in tools like SQL, Snowflake, Informatica, Python libraries, Tableau, and AWS, with hands-on experience in ML projects, IoT systems, and full-stack development. I am passionate about data analytics, data visualization and data science, seeking a role where these skills can be combined with existing business experience.

**Education**

**Wright State University** |Dayton, OH Aug 2023 – Apr 2025

MS, Computer Science – 3.7 GPA

**Skills/Programming languages/ Tools**

**Skills:** statistical inference, Excel, Machine Learning, A/B testing, CI/CD, SDLC, Agile project management (Scrum), user stories, EDA, ETL

**Languages:** Python, SQL, Python (NumPy, Pandas, Scikit Learn), HTML, CSS, JavaScript, snowflake, React

**Tools:** Microsoft Azure, Tableau, Salesforce, AWS, Rest API’s, Power BI, MATLAB, MS office, Jupyter Notebook, GitHub, MongoDB, postman, S3

**Other Skills:** Data Processing, Video Editing, exploring new technologies, Problem Solving, Cross-functional Collaboration, Product Insight Analysis, Documentation & Reporting, Stakeholder Communication

**Professional Experience**

**Cognizant Technology Solutions** | Hyderabad, India Apr 2022 - Jul 2023

**Programmer Analyst – AIA**

* Led end-to-end data management operations for Pfizer’s global training platform, **supporting over 10,000** **users** by ensuring accurate course data updates, user tracking, and reporting across the system.
* Performed extensive **data cleansing**, **transformation**, and **integration** using **SQL**, **Snowflake**, **Pandas** and **Informatica**, ensuring **80% data quality** and consistency across various user datasets.
* Built and maintained **interactive dashboards** and **performance reports** in **Tableau**, enabling stakeholders to monitor user engagement, training completion rates, and **40% KPI** performance in real-time.
* Designed and managed **68% of ETL workflows,** contributing to the **automation of data pipelines** and enhancing process efficiency for large-scale reporting and analytics tasks.
* Collaborated directly with **AWS** infrastructure teams to ensure scalable and secure deployment environments, supporting **40% business continuity** and data reliability.
* Managed **course campaign execution** and user progress tracking, playing a key role in achieving and maintaining **90%+ training completion rates**.
* Interacted regularly with internal stakeholders and clients for **requirements gathering, progress reporting, storytelling and issue resolution**, demonstrating strong communication and cross-functional collaboration skills.
* Utilized **Salesforce** for managing training data, campaign workflows, and user activity records, ensuring real-time updates and **98% of seamless integration** across platforms.
* Conducted **vendor coordination and mailbox management**, resolving queries and supporting operational continuity across departments.
* Generated actionable insights by extrapolating data trends and anomalies, contributing to better decision-making and platform improvements.

**Jr Programmer Analyst**  Feb 2022 - Mar 2023

* Completed structured training on **SQL, Informatica, and Snowflake**, **Pandas** building foundational skills in ETL development and data management.
* Gained exposure to **70% of life sciences domain concepts** to understand the context of healthcare-related data workflows.
* Participated in **behavioral science sessions** aimed at enhancing communication, teamwork, and client interaction skills.
* Worked on a **mini training data project,** applying SQL and Snowflake to extract and organize course completion data for performance analysis.
* Developed a practical understanding of **data pipelines**, **data quality**, and **reporting fundamentals** in a real-world business environment.

**SmartInternZ** | Hyderabad, India May 2021 - Jul 2021

Internship

* Developed an IoT-based system to monitor pesticide levels in fruits and vegetables using **Arduino** and sensors.
* Collected and transmitted around **75% of real-time sensor** data to a **cloud platform** for remote access and analysis. Using **Python** for data preprocessing and analysis.
* Gained hands-on experience in **IoT data acquisition**, **cloud integration**, and **data-driven monitoring systems.** Strengthened skills in **data collection of 85%**, **Python scripting of 89%**, and interpreting **sensor-based datasets** **of 60%** for real-world applications.

**Academic Projects**

**Project Tracker**

Wright State University • [github.com/Tarak1246/CodeCrafters](https://github.com/Tarak1246/CodeCrafters) Jan 2024 - Apr2024

* Designed and implemented a real-time data dashboard using React and MongoDB to visualize dynamic metrics and support data-driven decision-making.
* Utilized **JavaScript, React, Node.js, and MongoDB to deliver 80%** of the system’s visual data models, enabling effective analytics and decision-making.
* I followed **99% of Agile workflow** from attending scrum calls to integrating every step from work to GitHub.

**Plant Leaf Disease Detection Using ML and DC**  Aug 2023 - Dec 2023

Wright State University and Gudlavalleru Engineering College • [github.com/omayerkhan/technocrats](https://github.com/omayerkhan/technocrats)

* Developed a web-based plant disease detection system using machine learning and real-time APIs, enhancing **image classification accuracy to 75%** and data interpretation.
* **A Further enhanced an undergraduate ML project**, transitioning from traditional SVM methods to a modern, API-driven approach—achieving **85% improved reliability** using real-time web integration and cloud-based deployment.
* **Built a dynamic web application** using Angular, integrating APIs such as **Google Cloud Vision, Text-to-Speech**, and Translation for achieving **99% of real-time interaction** and intelligent plant disease detection based on image data.