

# Lakshmi Devi Sri Ramya Abbireddy

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## Education:

**UNIVERSITY OF WISCONSIN, MILWAUKEE, WI, U.S.A**

*Masters in Information Technology and Management – [GPA – 3.7/4.0]*

**Aug 2023 – Dec 2024**

**Specialization:** Data Analytics, SAP Tools, Project Management

**Course work:** Information Technology Strategy, Social media analytics

**GITAM DEEMED TO BE UNIVERSITY, VISAKHAPATNAM, A.P, INDIA**

*B. Tech in Computer Science and Engineering – [GPA - 3.2/4.0]*

**Jun 2019 – Apr 2023**

**Specialization:** Programming, Project Management

**Course work:** Programming with C, Data structures with Python, Database management systems

## Technical Skills:

**Programming:** C programming, Python Programming, HTML, CSS, MySQL, Microsoft Macros VBA

**Computer skills:** SAP Tools (SAP 4HANA/ABAP), Tableau, Dimensional modelling

**Big Data & Cloud:** Databricks, Data Lakes, Apache Spark

**Data Engineering:** Data Pipelines, Data Cleaning and Transformation, Data Visualization, Data Integration, ETL Processes

**Project Management:** Project Planning and Scheduling, Risk Management and Mitigation, Team Management

## Work Experience:

**Company Name: ACME GRADE, Location: Bangalore, India**

**Jun 2022 – Aug 2022**

**Job Role: A.I Developer Intern**

- Developed and carried out machine learning models to address real-world problems, improving prediction accuracy by 15% and optimizing performance in key projects
- Collaborated with data scientists and engineers to preprocess large datasets, improving data quality and boosting model accuracy by 18%, which facilitated the adoption of new AI techniques in ongoing projects.
- Assisted in creating comprehensive documentation for model architectures and preprocessing workflows, reducing onboarding time for new team members by 30% and establishing best practices for future AI initiatives.

**Company Name: Tierra Automation, Location: Visakhapatnam, India**

**Job Role: Project Management Intern**

**Dec 2022 – Feb 2023**

- Conducted security assessments of IoT devices, collaborating with engineering teams to identify vulnerabilities and implement solutions that reinforced device security by 60%
- Led a team of 7 in engineering and showcasing innovative IoT projects at exhibition fairs, significantly enhancing the company's visibility and market presence, while effectively managing project timelines and resources
- Spearheaded advanced testing methodologies in the production environment, coordinating with production teams to reduce errors by 20%, which enhanced product reliability and operational efficiency
- Designed and executed a prototype automation system, which refined operational throughput by 25% and reduced manual interventions

## Projects:

### SAP SALES AND DISTRIBUTION MODULE:

- Completed a comprehensive SAP S/4HANA task using Global Bike data to focus on the Sales and Distribution (SD) module, gaining 20% improvement in order accuracy and streamlined processing times.
- Developed specialized ABAP applications, ensuring accurate data processing and enhancing the efficiency of sales processes, particularly in material and customer management, which leading to a 25% reduction in processing errors

### DATA VISUALIZATION USING TABLEAU:

- Conducted a comprehensive data analysis using Tableau, focusing on sales trends across product categories and states, identifying key insights which contributed to a 15% increase in targeted promotional strategies.
- Created interactive dashboards to visualize sales data, uncover trends and anomalies, and provide actionable recommendations, resulting a 10% improvement in profit margins in high-impact subcategories.

### DATA PIPELINE & INTEGRATION USING PYSPARK:

- Engineered scalable ETL pipelines utilizing PySpark, facilitating the extraction, transformation, and loading (ETL) of datasets, reducing processing time by 35%.
- Optimized data integration from multiple disparate sources, implementing efficient query structures that enhanced performance and reduced computational overhead by 40%.
- Developed automated data quality monitoring workflows, integrating seamlessly with Databricks, which improved data reliability by 30% and decreased manual intervention efforts.

### DATA PREPARATION USING EXCEL:

- Organized and cleaned a complex dataset in Excel, creating structured worksheets, resolving inconsistencies, and handling missing values, which improved data quality and saved 15% of analysis preparation time.
- Consolidated data from various sources into a unified table, enabling precise trend analysis on social media posts and key metrics, increasing reporting accuracy by 20%.

## Certifications:

- Google Data Analytics – Google

**March 2025**