

# PRASANNA LAKSHMI CHELLIBOYINA

[prasanna.chelliboyina@gmail.com](mailto:prasanna.chelliboyina@gmail.com) | [LinkedIn](#) | +1 331-274-2545

## SUMMARY

Experienced professional with 4 years of experience in data analysis and continuous improvement, skilled in using Power BI and Qlik Sense for data visualization and reporting. I am looking forward to applying my skills for organization growth by keeping myself and the company up to the industry standards.

## EDUCATION

<b>Syracuse University – School of Information Studies</b>	<b>Aug 2023 – May 2025</b>
Master of Science in Applied Data Science	<b>3.9/4.0 GPA</b>
<b>National Institute of Technology, Jamshedpur</b>	<b>Aug 2016 – May 2020</b>
Bachelor of Technology in Electrical and Electronics Engineering	<b>8.4/10 GPA</b>

## PROFESSIONAL EXPERIENCE

- Hitachi Global Air Power, Indiana, United States** **May 2024 – Present**  
**Supplier Quality Analyst**
  - Took the lead in automating supplier quality and performance reports like PPM, NCM, and PPAP, which **saved over 5 hours of manual work each week** and made the whole process faster and more reliable.
  - Created interactive dashboards in Power BI using SAP data, which helped improve **data accuracy by 15%** and **cut down reporting time by 20%**, making it easier for teams to make quick decisions. Replaced manual tracking methods with centralized dashboards, making data more accessible for stakeholders **by 30%**.
  - Built a Supplier Rating System to track key metrics like defect rates and on-time delivery across **100+ suppliers**, giving teams real-time insights into performance.
  - Worked closely with different teams to spot gaps in supplier performance reporting, leading to smarter improvements and a **15% drop in supplier-related quality issues**.
- ALSTROM TRANSPORT** **Oct 2020 - Jul 2023**  
**Continuous Improvement & Data Analyst**
  - Led the successful implementation of the Customer Satisfaction Survey (CSS) across Asia Pacific region (APAC) as the designated key user, **achieving 100% adoption** and contributing to a 10% year-over-year improvement in customer satisfaction scores. Automated regional reporting using WallC and Qlik Sense, **enhancing data accessibility and operational performance**.
  - Managed K1/K2 issues reporting using the 8D method with **over 95% accuracy**, ensuring timely updates for senior leadership. By analysing customer and quality data, helped reduce complaints **by 10%** and improved overall service quality.
  - Built and streamlined Qlik Sense dashboards** to standardize reporting across APAC, cutting reporting discrepancies **by 20%**. Developed predictive models to flag potential quality risks early and support better decision-making.
  - Created automated solutions in SharePoint that boosted document **accessibility by 25%** and made data management smoother for cross-functional teams. Shared supplier performance insights with stakeholders, helping reduce operational defects **by 15%**.
  - Trained and **mentored two Graduate Engineer Trainees in data analysis**, which led to a 20% improvement in team efficiency.

## SKILLSET

- Data Engineering & Programming:** R, Python, C, C++, MySQL, PostgreSQL, SQL Notebook, dbt (Data Build Tool)
- Data Visualization & BI Tools:** Power BI, Tableau, Qlik Sense, Shiny web App (R)
- Database Management:** MySQL, PostgreSQL, SQL Notebook, SAP S/4HANA, Snowflake
- Machine Learning & Data Science:** Supervised & Unsupervised Learning, Predictive Analytics, Model Building, Statistical Analysis
- Cloud & DevOps:** AWS, Azure Lab, Docker
- Software & Development Tools:** Visual Studio Code, MS Office (Excel Advanced), SharePoint, power apps
- Analytical Skills:** Data Analysis, Problem-Solving & Critical Thinking, Analytical Skills, Problem-Solving Tools, Teamwork

## PROJECTS

- Energy Consumption Analysis and Forecasting | R programming** **Aug 2023 - Dec 2023**  
Forecasted electricity demand by merging household consumption and weather data, achieving **90% prediction accuracy**. Built a **linear regression model** with one-hot encoding and developed an interactive **Shiny web app** to visualize insights from 50,000+ data points.
- Travel Booking System | Power Apps | SQL Server** **Aug 2023 - Dec 2023**  
Designed an online tour booking platform using **Power Apps** and **SQL Server**, featuring real-time bookings, secure payments, and advanced search filters. Integrated automated email notifications and a review/rating system for enhanced user experience.
- Election Contributions Analysis and Data Warehousing | Snowflake | dbt | Power BI** **Jan 2024 - May 2024**  
Built a **Snowflake** data warehouse for analysing 2007-2008 election contributions, improving query performance by **50%**. Created **Power BI dashboards** on top of **dbt**-generated fact/dimension tables, enabling insightful data visualization.
- Movie Recommendation System | Machine Learning| Python** **Jan 2024 - May 2024**  
Built a recommendation system using **KNN with Means** and **SVD** in Python, optimizing user preference predictions. Leveraged **deep learning** and data visualization tools to improve recommendation accuracy.
- Online Recipe-Sharing Platform | Microsoft Azure | Power Apps | SQL Server** **Aug 2024 - Dec 2024**  
Developed a cloud-based recipe-sharing app using **Microsoft Azure**, **Power Apps**, and **SQL Server**. Integrated **Azure Cognitive Services** and serverless functions for real-time analytics and scalability.