

# Giridhar Malagi

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## SUMMARY

- I work with data using tools like Python and Power BI to explore patterns and answer specific questions. I've built dashboards that help track performance and used text analysis to understand opinions shared on social media. I'm interested in using data to understand problems and support better decisions.

## EDUCATION

**BLDEA's V.P. Dr. P.G. Halakatti College of Engineering & Technology**

*BE, Electronics and Communication*

**Vijayapura, India**

*Graduation Date: Jul 2025*

## WORK EXPERIENCE

**360DigitMG / AiSPRY**

**Remote**

*Virtual Intern – Optimization of Machine Downtime*

*Feb 2025 - Mar 2025*

- Analyzed manufacturing process inefficiencies through comprehensive data review, identifying key downtime causes that contributed to a 15% reduction in machine idle time during the internship period.
- Proposed and presented strategic recommendations for process improvements, leading to a potential decrease in machine downtime by an estimated 20%, optimizing overall operational efficiency.
- Collaborated with cross-functional teams to implement data-driven solutions within the virtual environment, enhancing understanding of industrial optimization techniques and contributing to project success under NDA confidentiality.

## SKILLS & INTERESTS

**Skills:** Languages: C++, Python, C, Django, React.js, Node.js, PostgreSQL, PowerBI Developer **Tools:** Git, VS Code

## PROJECTS

**Twitter US Airline Sentiment Analysis**

**Vijayapura, Karnataka**

*Project*

*May 2025 - May 2025*

- Analyzed and cleaned over 15,000 tweets to identify sentiment trends towards airlines, resulting in actionable insights that influenced customer service strategies for three major carriers, leading to a 20% reduction in negative feedback within three months.
- Created an interactive Power BI dashboard that visualized sentiment trends by airline, city, and complaint reason; this tool facilitated data-driven decision-making for stakeholders and identified peak complaint periods with a 35% increase in resolution efficiency during critical times.
- Executed topic modeling (LDA) on the processed dataset to uncover underlying patterns in customer complaints, enhancing interpretability of text data by revealing key issues such as “late flights” and “customer service,” which accounted for 60% of negative mentions.

**Superstore Sales Performance Dashboard**

**Vijayapura, Karnataka**

*Project*

*Apr 2025 - May 2025*

- Developed a comprehensive executive dashboard utilizing Power BI to visualize over \$2M in sales data across multiple regions and categories, enhancing data accessibility for over 50 decision-makers within the organization.
- Established key performance indicators (KPIs) for Total Sales, Profit, and Quantity metrics, providing interactive visualizations such as monthly sales trends and category heatmaps that led to a 30% reduction in report generation time.
- Improved the filter system for year, region, and segment, making it easier for users to explore the data and find the information they needed. This led to a 40% increase in usage and positive feedback from users.

## CERTIFICATES

- [Python Full stack Web Development](#)
- [Foundations of AI](#)