

# Ganesh Reddy Annapa Reddy

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## Education

May 2023 Master of Professional Studies in Data Science, University at Buffalo  
May 2020 Bachelors in Electronics and Communication Sciences, Hindustan University

## Research Experience

May 2023 – Dec 2023 Research Volunteer, University at Buffalo

- Developed 2D graph plots using RStudio to visualize gene interactions within biological networks, focusing on multiple layout possibilities for clearer representation.
- Used 2D graphs to help identify complex interactions, providing a straightforward, structured approach for analyzing gene expression patterns.
- Proposed and successfully implemented 3D graph plots, enhancing the depth and clarity of network visualization by capturing relationships across multiple dimensions.
- The transition to 3D graph plots was driven by the need to explore hidden or non-obvious interactions that were less perceptible in 2D visualizations, improving the understanding of network dynamics.
- This work contributed to the project's goal of optimizing network perturbations for steady-state control, crucial for predicting the effects of gene modifications in biological systems.

## Awards & Recognition

Sep 2021 Spot Award, Infosys Limited

- Awarded for outstanding contributions and quick learning capabilities.

May 2020 Department Best Final Project Award – ECE Department

- Awarded for innovation and excellence in designing a frequency reconfigurable microstrip antenna for 5G applications, recognized in the department's final-year project competition.

May 2019 Departmental Excellence Award, Year 3 – ECE Department

- Recognized as the top-performing third-year student in Electrical and Computer Engineering for outstanding academic performance and contributions throughout the year.

May 2018 Departmental Excellence Award, Year 2 – ECE Department

- Honored as the top-performing second-year student in Electrical and Computer Engineering for outstanding academic performance and contributions.

August 2016 HITS Education Scholarship

- Awarded a Fully Funded Scholarship for ranking among the top 10 incoming students in the university entrance examination, covering full tuition and academic expenses.

# Professional Experience

Jan 2024 – Dec 2024 DevOps Engineer & Data Analyst, Trilok Software Solutions

- Managed digital product analysis, leading cross-functional collaboration to ensure timely cloud deployment delivery.
- Automated data workflows using Python, reducing manual processes by 30% and improving operational efficiency.
- Analyzed product data with SQL and Tableau, identifying trends to boost user engagement and drive business outcomes.
- Supported A/B testing by interpreting user behavior data, optimizing product features for enhanced performance.
- Developed KPI frameworks and tagging strategies for digital analytics, ensuring comprehensive performance tracking.
- Created data stories and dashboards to communicate insights, supporting strategic decision-making and prioritization.
- Leveraged Google Analytics for in-depth analysis of web traffic and user behavior, contributing to optimization strategies.

Apr 2021 – Jan 2022 Data Analyst, Infosys Limited, INDIA

- Managed SQL-driven data analysis to optimize marketing strategies and enhance business growth.
- Analyzed large datasets in a fast-paced environment to identify trends and inform product optimization.
- Led system migration projects, improving operational efficiency by 7% and reducing incidents.
- Developed automated reporting solutions with Python and SQL, enhancing data accessibility and decision-making.
- Identified data patterns and opportunities to drive strategic decisions and prioritize product development.
- Collaborated with cross-functional teams to improve service delivery and ensure client satisfaction.

Jul 2019 – Apr 2021 Data Analyst, Shri Ramdev Impex, INDIA

- Enhanced sales target prediction accuracy by 15% by developing a machine learning model using Tableau, Python, and automation.
- Increased operational efficiency by 15% through effective project management and technical solution deployments using JIRA.
- Designed interactive dashboards in Tableau and Power BI, improving data visualization and performance tracking.
- Boosted sales by 7% and reduced stockouts by 25% through strategic data-driven decision-making.
- Achieved a 12% reduction in annual spending via strategic planning and precise data manipulation.

Jan 2019 – Jul 2019 Junior Data Analyst, Shri Ramdev Impex, INDIA

- Provided actionable insights to company leadership by executing data analysis projects using Python, SQL, and Tableau.
- Conducted exploratory data analysis to identify key data types, statistics, and variable distributions, supporting strategic decisions.