

## Contact

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## Top Skills

Postman API  
Database Management System  
(DBMS)  
Google Cloud Platform (GCP)

## Certifications

Docker Essentials: A Developer  
Introduction  
AppSheet Business Application  
Creator  
Process Data from Dirty to Clean  
Prepare Data for Exploration

## Honors-Awards

First Prize Winner, SPARDHA 2K17  
- 24 hr Hackathon  
Finalist - Smart India Hackathon  
2018, 36 Hour Hackathon, Mumbai

# Ram Polisetti

Data Analyst @ JerseySTEM & Ex-Amazonian | Data Science  
Grad Student | Pioneering real-time, AI-driven analytics solutions in  
NLP and Generative AI | Experienced in Operations and Process  
Optimization

Buffalo, New York, United States

## Summary

I am a dynamic Data Science professional with a proven track record at Amazon, where I leveraged Python, SQL, and advanced analytics to optimize logistics operations and drive strategic decision-making. Holding a Master's in Data Science from the University at Buffalo, I blend technical expertise with a strategic approach to solving complex challenges in data analytics.

### Professional Highlights:

- Spearheaded projects at Amazon that resulted in a 40% increase in dispatch system efficiency and a 35% boost in network efficiency through the reintegration of over 1,000 units into the logistics network.
- Developed and implemented data-driven solutions that saved \$2M in logistical costs, reduced empty miles by 8% annually, and enhanced data accuracy and information flow across multiple platforms.
- Recognized as a Subject Matter Expert and team leader, I improved team onboarding efficiency by 30% and was instrumental in developing SOPs that streamlined operations.

I'm currently working on: Enhancing machine learning models for real-time applications in data analytics, with a focus on natural language processing (NLP) and deep learning. My recent projects include an AI stock investment advisor and a Trading based on news sentiment.

I'm looking to collaborate on: Projects involving advanced data science, machine learning, and AI, especially those that intersect with supply chain optimization, financial market analysis, and predictive modeling.

I am excited about the opportunity to connect with professionals and organizations that share my enthusiasm for leveraging data science to solve real-world problems and drive business success. Let's explore how we can collaborate to achieve these goals.

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## Experience

### JerseySTEM

#### Data Analyst

March 2024 - Present (5 months)

New Jersey, United States

In my role, I have been at the forefront of driving innovation and efficiency through advanced data analytics solutions. Here are some of the key initiatives I've led and contributed to:

**Advanced-Data Pipeline Development:** Leveraged SQL, Python, and Alteryx to craft a sophisticated automated data pipeline. This initiative significantly enhanced our data collection and analysis capabilities, empowering informed decision-making and elevating program effectiveness.

**Real-Time Data Integration:** Integrated Postman and Webhooks to facilitate real-time data integration and automation. This strategic move optimized our data workflows, ensuring our organization's agility and our ability to respond proactively to evolving data trends and needs.

**Daily Reporting System Implementation:** Initiated a daily reporting system utilizing AppSheet, Tableau, and Google Data Studio. This system provides actionable insights, improving organizational accountability and enhancing project deliverables through superior data visualization techniques.

**Agile Methodologies Adoption:** Played a pivotal role in introducing agile methodologies within the Data Analytics department, utilizing Jira to streamline our processes. This transition significantly boosted our productivity and shortened project delivery times, fostering an environment of efficient workflows and collaborative problem-solving.

**Volunteer Onboarding and Recruitment Analytics:** Spearheaded the integration of iCIMS with Alteryx and MySQL, revolutionizing our approach to volunteer

onboarding and recruitment analytics. This critical project led to enhanced operational efficiencies and informed strategic decision-making, underpinning our growth and success.

My journey here has been about embracing challenges, pioneering data-driven solutions, and continually striving for excellence in every project undertaken.

## Amazon Development Center

### Data Analyst

November 2020 - July 2022 (1 year 9 months)

Hyderabad, Telangana, India

As a Data Analyst at Amazon, I specialized in leveraging advanced analytics to drive significant improvements in logistics and transportation efficiency. My expertise in SQL and Amazon Redshift enabled a 40% increase in dispatch system efficiency and a 15% reduction in carrier fraud. I led a critical analysis project that optimized supply chain operations by reintegrating over 1,000 units, contributing to an 8% reduction in logistical costs through smarter routing decisions. My work with Amazon Quicksight facilitated a 20% drop in operational incidents, ensuring more reliable delivery schedules. Recognized for leadership and innovation, I received the 'Amazon Leadership Principle Award' and developed SOPs that accelerated team onboarding by 30%, enhancing overall productivity.

## NI (National Instruments)

### Application Developer intern

December 2019 - February 2020 (3 months)

Bengaluru, Karnataka, India

As an Application Developer Intern, I played a pivotal role in designing and implementing a data acquisition system that significantly improved test reliability. My responsibilities extended to managing comprehensive documentation for system analysis, leading to my achievement of a Certified Developer Designation due to my proficiency with National Instruments tools. My tenure was marked by leading the development of an autonomous vehicle prototype, which involved enhancing simulated urban driving functionalities. Additionally, I developed a Python-based Machine Learning and Computer Vision prototype aimed at real-time obstacle detection, leveraging MATLAB & Simulink to enhance system accuracy by 45%. My analytical skills were further demonstrated through the analysis of vehicle telemetry data, contributing to the improved reliability of the autonomous system."

Building on my experience in system development and data analysis, I spearheaded the creation of a state-of-the-art Bug Tracker Tool, utilizing a sophisticated client-server architecture to revolutionize the debugging process. This innovative tool facilitated real-time tracking, reporting, and management of bugs across various projects, leading to a notable 30% improvement in bug resolution times. By integrating advanced logging and trend analysis, I proactively addressed software reliability issues. Furthermore, I customized user roles and permissions within the tool, significantly enhancing collaboration among developers, testers, and project managers. This initiative not only streamlined the debugging workflow but also established new benchmarks in software development practices, underscoring my commitment to continuous improvement and operational excellence.

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## Education

University at Buffalo School of Engineering and Applied Sciences  
Masters, Data Science

SRKR Engineering College  
Bachelor of Technology