

Satya Harish Reddy Pulipelli

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EDUCATION

Northeastern University, College of Social Sciences & Humanities

Boston, MA

M.S. in Economics (w/ Concentration in Data Science)

Sept 2024 – May 2026

- Courses: Algorithms, Advanced Econometrics, Machine Learning & AI, Statistics, Macro & Microeconomic Theory
- GPA: 3.9/4.00

ICFAI Business School

Hyderabad, India

Bachelor of Economics

Sept 2020 – May 2023

- Courses: Predictive Analytics, Machine Learning, Econometrics, Financial Economics & Derivatives
- GPA: 3.80/4.0
- Honors: Creative Head – Young Economists Society

TECHNICAL KNOWLEDGE

Languages: Python, R, SQL; **Databases:** MS Access, BigQuery, MySQL, PostgreSQL

Tools: Tableau, R Studio, Stata, SPSS, EViews, Microsoft Office Suite (Advanced Excel, PowerPoint), Oracle, SAS

PROFESSIONAL EXPERIENCE

Business Development Analyst

Jun 2023 – Jul 2024

Micro SaaS Capital

Bengaluru, India

- Implemented data-driven strategies for market penetration and product diversification, which enhanced overall company revenue by 20% through optimized pricing models
- Optimized hiring workflows by implementing automated recruitment systems, reducing process time by 25% and improving talent acquisition efficiency
- Utilized Tableau and business intelligence tools to develop interactive dashboards for trend analysis, providing actionable insights that guided strategic lending decisions and risk assessment processes
- Fostered and maintained strategic relationships with key clients, resulting in a 95% client retention rate
- Developed interactive Tableau dashboards to visualize portfolio trends and key performance metrics, enabling stakeholders to identify revenue opportunities and risk patterns, resulting in 40% improvement in data-driven decision making

ACADEMIC PROJECTS

Economic Analysis of Crime Reporting Behavior | *Econometric Research Project*

Mar 2025

- Analyzed 28,821 crime victimization incidents from National Crime Victimization Survey using Linear Probability Models with interaction terms in Stata to examine socioeconomic and geographic disparities
- Implemented comprehensive data preprocessing and variable creation using advanced Stata programming to generate interaction terms for complex econometric modeling
- Discovered significant urban-rural reporting gap of 12.4 percentage points and employment effect of 8.5 percentage points, challenging conventional assumptions through statistical visualizations

Economic Impact on Data Science Salaries | *Statistical Analysis Project*

Feb 2025

- Developed predictive models using Multiple Linear Regression, Random Forest, and XGBoost to analyze economic factors impacting data science salaries across different countries and experience levels
- Implemented comprehensive data preprocessing and merging techniques to integrate salary data with macroeconomic indicators using R and Python
- Created advanced statistical visualizations using ggplot2 to analyze salary trends and identify key determinants

Development and Analysis of iPhone Quality Index | *Statistical Analysis Project*

Dec 2024

- Constructed a Comprehensive Quality Index incorporating 12 key technical specifications weighted by consumer preferences to analyze innovation patterns across 45 iPhone models (2007-2024)
- Applied Statistical Analysis in R using libraries including dplyr, tidyr, and ggplot2 to calculate compound annual growth rates and feature correlations, demonstrating a 14.25% annual improvement rate
- Created Advanced Data Visualizations and statistical models revealing distinct evolutionary phases in iPhone development

Exploratory Analysis of State-wise Crime Data | *Statistical Analysis Project*

Apr 2023

- Performed Factor Analysis and Multiple Linear Regression using SPSS to analyze correlations between crime types and their relationship with state GDP & literacy rates
- Created comprehensive data visualizations and statistical models for pattern identification across South Indian states' crime data