

Srinivasa Murthy Gunturu

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Decision Science professional with 3 years of experience at one of the leading IT firms, currently pursuing MS in Statistics & Data Science. Proficient in Classical Machine Learning Algorithms and their implementations. Adept at leveraging large-scale data analysis to facilitate executive business decisions.

Technical Skills

Programming/ Platforms: Python, R, Tableau, Microsoft Excel, Git, Jira

Databases/Cloud: SQL, No-SQL / Azure

Machine Learning & Statistical Methods: Decision Trees, Random Forests, Support vector Machines, Naïve Bayes, Ensemble Models (AdaBoost, Random Forests, XGBoost), Recurrent Neural Networks, Linear and Logistic Regression, Ridge & Lasso Regression, Hypothesis Testing, ANOVA

Competencies: Exploratory Data Analysis, Natural language Processing, Linear & Discrete Optimization, Web-Scraping

Experience

TEMPLE UNIVERSITY, Philadelphia, PA

Sep 2021 – Mar 2022

Data Analyst – Graduate Assistant

- Designed **10+** Tableau Dashboards to analyze **500+** student's performance in academics and presented compelling stories to the director of Curriculum Management Assessment Department at Temple university
- Created a Python-based automated data-onboarding framework that performed data extraction and data validation, reducing processing time by **60%**

TATA CONSULTANCY SERVICES (TCS), Chennai, India

June 2018 – July 2021

Data Analyst

- Interacted with Cross functional teams to identify potential problems and developed Machine Learning solutions to drive business decisions in Retail Domain
- Onboarded **4 new clients** by devising a PoC on **Recommendation System** for 'Optumera' (a retail TCS Product) in Deep Neural Networks - Encoder-Decoder and achieved **73%** Mean Average Precision
- Led and collaborated with a 5 membered team to carry out research project for analyzing the impact of weather on sales leveraging hypothesis testing, machine learning on retail data & secured a **Young Innovator Award**
- Engineered & scaled an ETL pipeline in Azure for multi-source data aggregation, cleaning and feature engineering enabling store sales, supply-chain, logistics data to be analyzed together – allowing **26% reduction** in the project lifecycle time.
- Devised a ticket classification model using ensembled techniques (Random Forests) that provided a **34%** uplift in the precision metric over production models – demonstrated data and concept drifts in MLOps to the business.

TEXAS TECH UNIVERSITY, Lubbock, TX

Aug 2018 – Jan 2020

Researcher, Department of Psychology

- Volunteered Prof. Roman Taraban Ph.D. in designing machine-assisted methods to analyze students' written compositions utilizing NLP (Natural Language Processing)
- Attained seventy-two (**72%**) accuracy in classification, while human raters showed seventy-six (76%)

Education

TEMPLE UNIVERSITY, Fox School of Business, Philadelphia, PA

Master of Science, Statistics & Data Science, to be awarded Dec 2022 | GPA: 3.89

ANDHRA UNIVERSITY, Visakhapatnam, India

Bachelor of Business Technology, Computer Science Engineering, April 2018 | GPA: 8.02 (Distinction)

Publications

- Creating and Testing Specialized Dictionaries for Text Analysis-
<https://doi.org/10.29038/eejpl.2019.6.1.rta>
- Machine Analysis of Differences in Statics Problem-Solving Concepts Based on Skill Level-
<https://peer.asce.org/35982>