

# VENKATA SAI SRI RAM CHUNDURI

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## Summary

I am a dedicated graduate student currently pursuing a Master's in Data Science at UC Boulder, bringing almost five years of hands-on experience in Machine Learning, Data Wrangling, and Exploratory Data Analysis. I have engaged in a variety of projects for a leading US entertainment company, covering a spectrum of tasks from basic regression to advanced Boosting algorithms. My skill set includes proficiency in Python, SQL, PySpark, Tableau, and PowerBI, enabling me to adeptly tackle complex data challenges, extract actionable insights, and guide data-driven decision-making.

## Education

### University of Colorado Boulder

*Master of Science in Data Science*

**Aug. 2023 – May 2025**

*Boulder, Colorado*

### University of Texas at Austin

*Post Graduate Certification in Artificial Intelligence and Machine Learning*

**Feb. 2020 – Feb 2021**

*Online*

### Jawaharlal Nehru Technological University Hyderabad

*Bachelor of Technology in Electronics and Communication - Silver Medalist*

**Sep. 2014 – May 2018**

*Hyderabad, India*

## Experience

### Genpact India Pvt Ltd

*Data Scientist*

**April 2021 – July 2023**

*Bengaluru, India*

- Developed a Time series forecasting model using ARIMA/SARIMAX models to detect anomalies by forecasting key metrics, automated the process in production using Python, and performed data wrangling in Hive. This process identified business anomalies in key metrics, which helped increase sales by 15%.
- Developed the propensity to convert models using Python and advanced ML libraries like XGBoost and SHAP to improve conversion and understanding of features that lead to conversion.
- Analyzed key aspects of the business to evaluate factors driving results and summarized them into reports and presentations with various visualizations like Plotly, Altair, and Tableau.
- Implemented various visual components like Shapley explainer charts for feature importance, visualizations for summary statistics, and accuracy metrics in the quality monitoring reports to understand model performance and changes in the forecasts of business metrics.

### NetCracker Technology Solutions Hyderabad

*Data Science Engineer*

**July 2018 – May 2020**

*Hyderabad, India*

- Developed machine learning models to analyze customer buying patterns which helped in predicting the next best products customers might be willing to purchase and it helped in the reduction of customer attrition rate by 15% and has increased the overall revenue per month by 35%.
- Worked as an Individual Contributor and Subject Matter Expert in the R&D team, developing new features to be added to the product and maintaining them.
- Worked on a campaign and packages recommender system using Python, and various ML techniques and achieved 12% customer retention and recommended the campaigns and packages to 25% of the customers.

## Projects

### Face Recognition | Python, Keras, Siamese Networks

**December 2017**

- The objective of this project is to build a face recognition system, which includes building a face detector to locate the position of a face in an image and a face identification model to recognize whose face it is by matching it to the existing database of faces.

### Product Recommendation Systems | Collaborative filtering, Recommendation systems, Python

**June 2017**

- This project involved building recommendation systems for Amazon products. A popularity-based model and a collaborative Filtering model were used and evaluated to recommend top-10 products for a user.

## Technical Skills

**Languages:** Python, C, SQL

**Developer Tools:** VS Code, GitHub, Jupyter Notebook, Pycharm

**Technologies/Frameworks:** Hive, Snowflake, Plotly, Altair, Tableau

## Achievements / Extracurricular

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- Authored a paper on ‘Consumer Journey Analytics Using Two-Stage Approach’ and presented at the Ninth International Conference on Business Analytics and Intelligence at IIM Bangalore, India.
- Received Data and Analytics Award of the Year, Gold medal, and trusted advisor award for my contribution to building the data ingestion process, advanced analytics, statistical models, and providing key business insights for the journey analytics project in Genpact.