

SRI NAGA CHARAN GAMPALA

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EDUCATION

Master of Science in Data Science, University at Buffalo, SUNY Jan 2024 - May 2025

Relevant Coursework: Machine Learning, Statistical Data Mining, Python, SQL & Power BI

Bachelor of Technology in Mechanical Engineering, Pragati Engineering College Aug 2019 - May 2023

Relevant Coursework: AutoCAD, Automation

SKILLS

Programming Languages	Python, R, Matlab, HTML, CSS, JavaScript
Big Data and Distributed Computing	Databricks, Apache Spark, Delta Lake
DevOps Tools	Jenkins, Docker, Kubernetes, Terraform, Ansible
Data Science	Machine Learning, Pandas, NumPy, Sklearn, Pytorch, Tensorflow
Data Visualization Tools	PowerBI, Tableau
Cloud Technologies	Amazon Web Services (AWS), Azure
Database Management	MySQL, PostgreSQL, SQL
Operating Systems	Windows, Linux
Software Tools	Microsoft Office, Google Workspace
Version Control	Git, GitHub
Methodologies	DevOps Practices (CI/CD, IaC, Automation)

PROJECTS

Real Estate Price Prediction Website. Developed a **Flask-based web app** to predict housing prices using **linear regression**. Covers **data cleaning**, **feature engineering**, **hyperparameter tuning**, and is deployed on **AWS EC2** with **Nginx**. UI built with **HTML**, **CSS**, and **JavaScript**. ([Try it here](#))

Customer Segmentation Using R. Performed **customer segmentation** using **clustering techniques (K-Means, Hierarchical Clustering, DBSCAN)** on demographic and behavioral data. Used **R** and visualization libraries to identify customer groups for **targeted marketing strategies**. ([Try it here](#))

Data Analysis Portfolio Project. Built **interactive Power BI dashboards** to analyze **internet sales data**, using **SQL** for data processing. Key insights include **\$22M+ total sales**, **budget vs. actual comparison**, **customer trends**, and **geographical sales distribution**. ([Try it here](#))

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate (SAA-C03)**
Developed expertise in designing scalable, secure, and cost-efficient cloud solutions using AWS services.
[View Certificate](#)
- **Databricks Certified Data Engineer Associate**
Developed scalable data pipelines using Apache Spark and Databricks. Gained experience in ETL and query optimization.
[View Certificate](#)
- **Microsoft Certified: Power BI Data Analyst Associate (PL-300)**
Gained hands-on experience in transforming raw data into insights using Power BI. Built dashboards, optimized data models, and implemented DAX.
[View Certificate](#)
- **AWS Certified Cloud Practitioner (CLF-C02)**
Gained a strong foundation in AWS services, security best practices, and cost optimization strategies.
[View Certificate](#)