



Vamshidhar Reddy G

(571) 523-9365

<https://www.linkedin.com/in/vamshireddy-g/>

<https://vamshi4067.github.io/>

gunnalavamshi@gmail.com

PROFESSIONAL EXPERIENCE

Enovational

Salesforce Administrator/Analyst

Washington, DC

Feb 2021 – Present

MDCT -

- Worked on building modular screen flows from the single initial interview flow so that the user can navigate various sections with ease.
- Customized security profiles, user roles, workflow rules, validation rules, page layouts, custom fields, and record types to meet organizational and business needs.
- Worked on email templates, Process Builder, Screen flow and case routing.
- Worked on day-to-day deployments using Gearset and change sets.

RFS –

- Worked on administrative tasks like creating list view, custom fields, validation rules, queues and customized page layouts.
- Worked on dynamic actions for the visibility of component that needs to be shown conditionally on Lightning App Builder.
- Used Pivotal tracker for Agile activities.

HCL Global Systems - Caterpillar

Chicago, IL

IT Analyst

Jun 2020 – Dec 2020

- Collaborated with database engineers to implement **ETL** process, wrote and optimized **SQL** queries to perform data extraction and merging from SQL server database.
- Improved the credibility score of warranty reports by 25% by extracting, compiling, tracking and analyzing business-critical KPIs and generated ad-hoc impact Machine analysis reports.
- Automated maintenance tasks with python monitoring scripts for **MySQL** tables and auto-starting web services, which allowed a net increase of 5 % (456 hours) of additional up-time for our partners
- Troubleshooted Caterpillar system or dealer data quality issues, and work with data source owners to resolve the issues and faults.
- Worked on Data-Integration, Data Mapping, Data Profiling and Data Warehouse access using SQL, ETL process.
- Worked on exploratory analysis, anomaly detection, missing value imputation, variable normalization, feature selection, Anova test, t test in Python.

Accure AI. Inc

Reston, VA

Data Science Intern

Jan 2020 – Apr 2020

- Responsible for Data Cleaning, features scaling, features engineering by using **NumPy** and **Pandas** in Python.
- Performed Exploratory Data analysis (**EDA**) to maximize insight into the dataset, detect the outliers and extract important variables by graphically and Numerically using **Python**, **Tableau** and **Power BI**
- Applied resampling methods like Synthetic Minority Over Sampling Technique (**SMOTE**) to balance the classes in large data sets. Implemented algorithms such as **Principal Component Analysis (PCA)** for dimensionality reduction and normalize the large datasets.

- Implemented **Deep learning** model using **YOLO** algorithm to predict Realtime detection of anomalies in Steel Manufacturing and performed hyperparameter tuning to increase the performance of the model.
- Worked on CI/CD for **PostgreSQL** and **MySQL** Applications and Created dashboards in **VSTS** for **CI/CD** pipelines, Work items and bugs.
- Developed **Power BI** models for financial reporting and used several sources to pull data into Power BI such as **SQL Server**, **Oracle** and **SQL Azure**.

George Mason University

Fairfax, VA

Data Analyst - GTA

Aug 2018 – May 2020

- Conducted quality assurance checks on data, reports, and presentations and created BI reports using **Tableau** and **Power BI** for alumni data to help University Life office find target alumnus for research funds.
- Performed hypothesis testing to analyze and validate trends among different groups. Created tables using **Microsoft SQL server**. Performed exploratory data analysis and provided impactful insights using **Tableau** like scatter plots, box and whisker charts, geographic maps and density charts.

UBER

Hyderabad, India

Data Analyst

Jun 2016 – Apr2018

- Performed **Extraction, Transformation and Loading (ETL)** of the financial data using **Microsoft SSIS** and **IBM DataStage**.
- Developed automated solutions to address operational weaknesses identified through monitoring of weekly trends. Design and analyze experiments to measure efficacy of various product/ process measures on rider.
- Developed SQL stored **procedures, views, indexes and complex SQL queries** for extracting, manipulating and loading the customer and transaction data.
- Created visually impactful reports and dashboards for real time insights on key performance metrics using **Tableau, SSRS, Excel (Pivot Tables, V-lookup and macros)** and provided actionable insights to retain customers; **increased product sales by 7%**
- **Improved the query latency by ~ 25%** by optimizing existing stored procedures in **Oracle database**; created data flows & identified the inter-dependencies among stored procedures to remove redundancies.
- Optimized the efficiency of Uber's ridesharing marketplace by improving graph optimization and machine learning algorithms for rider-driver matching and evaluating their performance via experimentation and simulations. This involves writing production code as well.
- Designed **A/B testing** experiments for new product features on Uber's login and signup flows and provided statistical analysis and recommendations for feature rollout.
- Performed deep-dive analysis to identify the driving factors behind the sudden changes in key product and customer app usage trends and recommended product fixes to the engineering team
- Developed **Tableau** dashboard to understand leads allocation per user trends with time series analysis to drive business decisions and strategies of pipeline. Advanced dashboard development skills and developed leadership practices with BI dashboard and leadership communities
- Responsible for Rider, Driver Acquisition and Reengagement through Organic Channels using Strategic and Data Science techniques such as Experimentation, **NLP, Predictive Analytics, Customer Segmentation** and **Semantic Analysis**.

EDUCATION

• George Mason University

Fairfax, VA

Master of Science in Data Analytics Engineering - **GPA 3.5/4.00**

2018 - 2020

Relevant Coursework: Predictive Analytics, Deep Learning, Operational Research, Big Data to Information

• GITAM University

Hyderabad, India

Bachelor of Technology - **GPA 8.1/10.00**

2012 – 2016

PROJECTS

Malaria Cell detection using Convolution Neural Networks:

Sep 2019 – Nov 2019

In this **Deep learning** project, the objective is to detect the cells effected from malaria, so that the infected person can be informed at the initial stages of the infection before it turns endemic. By looking at the images in the dataset a human can easily say which cells are affected by malaria and which are not affected, but it would be a tiresome job for a human to check all the endemic cases. So, in order to automate this process, we applied various architectures that gives us the best modelling technique in deep learning to correctly classify the new or unseen image into parasitized and uninfected categories. We tried using a few of the pre-trained models like **ResNet-18** and **VGG-16** which has their parameters pre-trained.

Anime Recommendation:

Aug 2019 – Sep 2019

- Created a recommendation system using **k-nearest neighbor** and performed **semantic analysis** to recommend the shows based on the names and it is more useful to recommend the shows by mapping with the partition as partial names and similarity within the names.
- Performed partial semantic analysis for our data where we tried to recommend the shows based on the similarity in the semantics of the names and based on same type, genre.
- Applied different imputation techniques (**MICE**) to handle NULL values of each column based upon the correlation of the attributes.

TECHNICAL SKILLS

Languages: SQL, R, Python, PL-SQL, T-SQL

Machine Learning Packages: Scikit-Learn, NumPy, SciPy, TensorFlow, Pandas, Matplotlib, dplyr, Caret, tidyverse, ggplot2.

Statistical packages & Business Intelligence tools: R, Tableau, SAS, Excel (Pivot Tables, Power Pivot, VLOOKUP, Frontline Analytical Solver, Macros), SSIS, SSRS

Salesforce: Flows, Custom Apps, Tabs, Objects, Fields, Validation Rules, Email Templates, Data Loader, Work Flow, Process Builder, Assignment Rules. Report & Dashboard.

Tools: Tableau, Alteryx, Excel, Microsoft Power BI, Orange, Weka, Jupiter, Spyder, PyCharm, SSIS, JIRA.

Related Skills: Categorical Data Analysis, Non- Parametric Analysis, Multivariate Analysis, Forecasting, Optimization, ArcGIS, statistics, Predictive modeling, Hypothesis Testing like ANOVA, CHI-SQ Test, A/B Testing.

Deploying and Container Tools: Heroku (PaaS), Azure DevOps, Docker, Kubernetes.

Version Control Tools: GitHub, GitLab, Bitbucket.

CERTIFICATIONS

- Salesforce Certified Administrator -
- Salesforce Certified Platform Developer 1

Certification Link : <https://trailhead.salesforce.com/credentials/certification-detail-print?searchString=Q3kmY3q/aP9cf8WM5ovc6/dJW254zmqzrd7Wx8V0qyk2U3Qylyl18iT8Ta+1gHHh>

- ETL extraction using Apache Spark – Databricks
- AWS Foundations: Getting Started with the AWS Cloud Essentials
- Tableau Analyst
- AMCAT Certified Data Processing Specialist
- AWS Foundations: The Elements of Data Science