**EDUCATION**   
**University of Central Florida Aug 2023 - Present  
Master’s in Data Analytics | GPA: 4/4**

***Data Science Expertise***

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| * Machine Learning | * Statistical & Mathematical Skills |
| * Statistical Analysis | * NLP & geospatial analysis |
| * Data Visualization | * Parallel Computing |
| * Data Mining & Warehousing | * Data Manipulation & Analysis |
| * Big Data & Cloud Computing | * Data Storytelling |

**Sri Krishna College of Engineering & Technology Jul 2016 – May 2020  
B. Tech Information Technology | GPA: 3.5/4**

* Specialization in information systems, software development, database management and networking.

**TECHNICAL SKILLS**

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| **Languages:** Python, SQL, R, MySQL, PostgreSQL, C, C++, Julia, SAS, Java and JavaScript |
| **Cloud & Databases:** Google BigQuery, AWS, Azure, MySQL, PostgreSQL, MongoDB, Neo4j. |
| **Technologies & Frameworks:** Flask, Django, Pandas, NumPy, Matplotlib, Seaborn, AWS. |
| **Developer Tools:** Git, Azure, AWS, Jupyter Notebook, Power BI, Tableau, Excel (Advanced) |
| **Data Science & Machine Learning:** Clustering, Tree-Based Methods, Neural Networks. |
| **Data Engineering & Big Data:** Apache Airflow, Apache Spark, Hadoop, Databricks, Snowflake. |

**ADVANCED ANALYTICS EXPERIENCE**

**Software Engineer |Cognizant Technology Solutions Dec 2020 – Jul 2023**

* Performed ETL with data cleaning and statistical analysis (Hypothesis Testing, Regression) using SQL and Python, building data pipelines, and implementing data validation to ensure accuracy. Utilized AWS S3 for scalable data storage and Airflow for workflow automation, improving forecasting and operational efficiency by 20%.
* Applied data mining and predictive machine learning modeling using Apache Spark, TensorFlow, and scikit-learn, improving investment strategies by 18%. Created visualizations of asset performance, risk analysis, and forecasted returns using Power BI to drive data-driven business decisions.
* Optimized data warehouses using Amazon Redshift and Google BigQuery, improving query performance by 25% and enabling real-time business insights.
* Worked in relational database management and executed complex SQL queries with joins and CTEs in Snowflake to transform and report on large-scale financial data. Used Alteryx for data preparation and workflow automation, built Power BI dashboards for financial performance insights, tracking KPIs such as revenue growth, cost reduction, and ROI. Utilized advanced Excel (VBA macros, pivot tables, VLOOKUP, Power Query) for analysis and created detailed reports using SSRS to communicate findings to stakeholders.
* Experienced in using Project Management Information Systems (PMIS) such as Microsoft Project and Jira to plan, track, and manage projects, ensuring timely delivery within budget and scope.

**Research Assistant |University of Central Florida**

* Applied supervised and unsupervised learning algorithms (linear regression, decision trees, k-means clustering) using TensorFlow to analyze large datasets (structured and unstructured) and derive actionable insights, contributing to ongoing research in predictive modeling and data analysis.
* Collaborated with faculty and graduate students to design, implement, and test machine learning models for projects focused on time-series forecasting, anomaly detection, and classification, improving model accuracy by up to 15%. Created impactful presentations in PowerPoint to communicate model findings and insights.

**DATA SCIENCE PROJECTS   
 E-commerce Data Management and Compliance** Developed a data governance strategy for managing e-commerce transactional data, ensuring data integrity, security,   
 and compliance. Used SQL and Python for data validation and cloud storage for secure, scalable data management,   
 improving data accuracy and reporting efficiency. **Diabetes Prediction Model** Developed a machine learning model using Python and TensorFlow to predict the likelihood of diabetes based   
 on medical data. Trained using Logistic Regression and Random Forest algorithms, achieving high accuracy   
 through hyperparameter tuning and visualized model performance and insights using Tableau.  
 **Retail Store Location Optimization**

Used geospatial analytics and mapping visualization (via Geopandas and Folium) to analyze demographic and traffic   
 data for optimizing retail store placements. Created interactive maps to visualize ideal locations based on competitor   
 proximity and customer accessibility, improving decision-making for store expansion.