Chakrika Sai Vemireddy

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| https://chakrikav.github.io/ChakrikaV-portfolio | US Citizen

EDUCATION

- **George Mason University** — Fairfax, VA
  Bachelor of Science in both Business Analytics and Management Information Systems — *Aug 2021 - Aug 2025*
  - o Selected Coursework: Database Management Systems, Data Warehousing, Programming for Analytics, Advanced Data Mining, Data Mining for Business Applications, Networks and Security, Systems Analysis and Design, Cloud Computing Essentials, Intro Programming Business Applications.

- **Certifications & Training**
  - o Kaggle Certifications in Data Visualization, Intro to Machine Learning, Pandas. Alteryx Certification in Alteryx Foundation Micro-Credential and Alteryx Designer Core Micro-Credential.
  - o Currently preparing work for the Amazon Web Services Cloud Practitioner exam.

SKILLS & COMPETENCIES

- Programming Languages: Python, Java, R, SQL (Structured Query Language).
- Spoken Languages: Fluent in English and Telugu; basic French.
- Tools: Git, Azure, AWS Cloud, VS Code, Visual Studio, Word, PowerPoint, Excel, Access, MySQL, TensorFlow, PyTorch, Anaconda, Power BI, scikit-learn, NumPy, Matplotlib, Seaborn, Jupyter Notebook, Google Colab, Slack, Snowflake.
- Machine Learning Models: Linear Regression, Multivariate Regression, K-Nearest Neighbors (KNN), Support Vector Machine (SVM), Logistic Regression, Decision Trees, Random Forest, Naive Bayes, Artificial Neural Networks (ANN).

EXPERIENCE

- **Kellton Tech: Data Analytics Team** — Reston, VA
  Data & Analytics Engineer/Analyst — *Jun 2023 - Aug 2023*
  - Utilized Python with scikit-learn and NumPy libraries for data cleaning, transformation, and feature engineering to prepare the data for machine learning model training and fitting.
  - Created data visualizations of housing, financial and customer data using Matplotlib and Seaborn libraries to explore trends and patterns to support informed decision making.
  - Demonstrated Python-based data analysis, machine learning models, and data visualizations using Google Colab and Jupyter Notebook to enhance the clarity of data presentations and findings.

- **Kellton Tech: Data Analytics Team (cont.)** — Reston, VA
  Data & Analytics Engineer/Analyst (AI/ML Intern – Co-op) — *Oct 2024 - Present*
  - Analyzed model coefficients to identify and assess attributes that are more predictive of customer churn.
  - Presented insights on emerging trends in data analytics and advancements in AI during monthly Data Analytics team meetings.
  - Developed machine learning models for classification and regression to assess loan eligibility and predict future customer behavior.
  - Designed an interactive user interface in Visual Studio and utilized Streamlit to display the outputs of the best-performing models for each use case.
  - Set up a GitLab repository for the project to set up collaborative workspace between team members, consisting of branch management, merge requests, and code infrastructure.

LEADERSHIP

- Olde Towne Pet Resort – Guest Service Supervisor
  - Led financial operations from March 2021 to October 2024, overseeing transactions and staff management. Implemented and utilized platforms like KennelSoft and Gingr to streamline financial processes and improve team efficiency.