Kusuma Satya Sreeja Chalasani
Denton, Texas, 76201
kusumasatyasreeja@gmail.com | +1-940-629-3270 | www.linkedin.com/in/kusuma-chalasani

Professional Summary

Data Science professional with expertise in cloud infrastructure, automation, and machine learning. I am skilled in Azure, Python, and SQL, specializing in ETL, predictive modeling, and time series analysis. Adept at building scalable data pipelines and optimizing cloud resources for efficiency. Experienced in leveraging Splunk for log monitoring and cloud analytics. Developed automated scripts for data processing and improved forecasting accuracy. Passionate about applying data-driven strategies to solve complex business challenges.

Education

Master of Science in Data Science **University of North Texas | Pursuing: Aug 2024 – May 2026**

Skills

- **Programming & Data Analysis:** Python, SQL
- **Data Science & Machine Learning:** Matplotlib, Tableau; Regression, Classification, Clustering, Neural Networks
- **Cloud & Automation:** Azure, Splunk, Cloud Storage Management, Log Analysis; PowerShell, Python
- **ETL & Data Engineering:** SQL, Azure Data Factory, ETL Pipelines
- **Tools & Platforms:** Jupyter Notebook, Google Colab, Excel Projects, ServiceNow

Experience

Cloud Support Engineer | Data Operations | DHL Project **Cloud4c | June 2022 – July 2024**

Key Achievements: Led the implementation of data analysis procedures and assisted in creating data pipelines, resulting in a 10% increase in resource optimization and significantly reducing manual data handling efforts.

- Utilized Azure for VM provisioning, storage management, and cloud resource monitoring to ensure efficient data workflows.
- Conducted data analysis and automated log monitoring using Splunk, optimizing cloud resources and improving reporting accuracy.
- Analyzed cloud storage trends to generate actionable insights for infrastructure optimization.
- Prepared and managed large data sets to support machine learning models for predictive analytics.
- Developed automated Python and PowerShell scripts to streamline data extraction and reporting.

Machine Learning Project- Energy Consumption Forecasting **University of North Texas | Dec 2024**

Key Achievements: Boosted prediction accuracy, cutting errors by 20% and reducing energy costs by 15%.

- Built a machine learning model for household electricity forecasting, enhancing energy distribution and grid stability.
- Improved prediction accuracy, cutting forecasting errors by 20% and reducing energy costs by 15%.
- Leveraged time series analysis and Python for efficient data processing and model development.

Machine Learning Project- Emotion Based Music Recommendation System **Loyola Academy | March 2022**

Key Achievements: Built a CNN-based emotion detector and music recommender, enhancing accuracy and experience.

- Built a machine learning model for household energy forecasting using time series analysis.
- Achieved 20% reduction in forecasting errors and enabled 15% energy cost savings.
- Utilized Python for data processing and model development.

Certifications

- Azure Fundamentals AZ – 900 **Microsoft Certified | Feb 2023**
- AI For Everyone **DeepLearning.AI | June 2021**

Extracurricular Activities

- Passionate about arts
- Active member of the ISA Cultural Team, contributing to event planning and creative activities.