

GNANESWARI VADDEPALLI

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Career Summary

Results-driven **Data Analyst** and **Data Engineer** with a strong foundation in **data science, SQL, and Python**, complemented by hands-on experience in **Unix/Linux systems**. Currently pursuing a **Master's in Data Science at the University of New Haven**, with prior experience as a **Systems Engineer at Infosys**, where I worked with **PuTTY, SQL, and data pipelines**. Skilled in **data wrangling, ETL processes, database management, and machine learning techniques** for data-driven decision-making. Adept at building **efficient data pipelines, optimizing queries, and developing insights** to enhance business intelligence. Passionate about leveraging data engineering and analytics to drive strategic outcomes.

Technical Skills

- Cloud Platforms: Amazon Web Services, Microsoft Azure
- Scripting & programming: Python, SQL, Unix/Linux shell scripting
- Tools : Jupyter Notebook, PyCharm
- Libraries : NumPy, Pandas, Matplotlib, seaborn, scikit-learn
- Microsoft Office : Word, Advanced Excel, PowerPoint
- Data Visualization: Microsoft Power BI- [DAX, Reports] Data Base
- Text-based language: HTML
- MuleSoft: Java, JavaScript

Professional Experience

Infosys Limited | Systems Engineer (Dec 2021 – July 2023)

- Worked as a **Systems Engineer** in the **Delivery Team** under **Project Management** within the **FNSP Unit**.
- Responsible for **customizing tools and solutions** to meet client-specific requirements, ensuring seamless project execution.
- Gained expertise in both **frontend and backend operations**, handling critical aspects of system management and user administration.

Key Responsibilities & Contributions:

- **Backend Operations:**
 - Diagnosed and resolved system errors through **debugging and troubleshooting**, ensuring minimal downtime.
 - Utilized **SQL and Unix/Linux** to analyze logs, query databases, and resolve data inconsistencies.
 - Worked with **PuTTY** to manage remote connections and system configurations efficiently.

- **Frontend & User Management:**
- Created and managed **user IDs, passwords, and access control policies** to ensure secure authentication.
- Performed **password resets and account recovery**, assisting clients with seamless system access.
- Coordinated with stakeholders to understand business requirements and optimize user experience.

Key Achievements:

- Developed a strong understanding of **client requirements**, leading to enhanced project customization and timely delivery.
- Collaborated cross-functionally, improving both **technical and soft skills** to provide high-quality service.
- Contributed to the **efficiency and security of internal systems**, ensuring smooth user operations.

Education



Master's in Data Science
University Of New Haven



Bachelor's in Electrical and Electronics Engineering
G. Pulla Reddy Engineering College

Projects

- **Spam Detection using Machine Learning:** Implemented a classification model using TF-IDF and Naïve Bayes, achieving 95% accuracy in detecting spam messages.
- **Emotion & Hate Speech Detection:** Developed a deep learning-based NLP model to classify emotions and hate speech in social media texts, leveraging LSTM and BERT for sentiment analysis.
- **Data Pipeline for Business Analytics:** Built an end-to-end ETL pipeline to ingest, transform, and visualize data, improving business decision-making efficiency by 40%.