
EDUCATION**University at Buffalo, The State University of New York****Buffalo, NY****Master's in data science (STEM), GPA: 3.91 /4**

Expected Dec 2024

Coursework: Database Management Systems, R, Python, Probability & Data Analysis, Statistics, Data Mining, Data Structures.

SASTRA University**Thanjavur, India****Bachelor of Technology**

July 2021

EXPERIENCE**EITACIES INC.****Santa Clara, California****Machine Learning Engineer Intern** [\[Link\]](#)

May 2024 – Present

- Developed and deployed machine learning models for real-time expression detection in video data within virtual meeting platforms, achieving an accuracy rate of 85% in identifying emotions such as happiness, surprise, and confusion.
- Developed **NLP** models to detect racial remarks, gender-based discrimination, and emotional language in meetings text and audio data
- Achieved 93% accuracy in flagging unauthorized financial and PII data during meetings using SVM, XGBoost, Decision Trees, and Random Forests, ensuring robust compliance and security measures.

COGNIZANT TECHNOLOGY SOLUTIONS**Hyderabad, India****Data Analyst**

August 2021 - August 2023

- Developed an end-to-end data framework using Python scripts to collect and process data from Peacock and NBCU APIs, efficiently managing data for over **16 million+ users**.
- Implemented Extract, Load, and transformation (**ELT**) processes using Azure Data Factory and Azure Databricks to store in SQL database resulting in a **25% reduction** in operational costs.
- Collaborated with cross-functional teams to develop Power BI dashboards with DAX, providing insights into key user metrics and ad interactions, resulting in a **17% increase in quarterly ad sales revenue**.

Data Analyst Intern

March 2021 - July 2021

- Automated data extraction, cleaning, and processing for Cognizant One App using ETL processes, reducing data ingestion and extraction time by 40% and enhancing operational efficiency.

CATERPILLAR INDIA PVT LTD**Chennai, India****Supply chain Analyst Intern**

November 2019- December 2019

- Designed and implemented an optimized inventory management database using Oracle SQL, improving data analysis efficiency.
- Developed inventory management Power BI dashboards tracking 20+ KPIs, optimizing inventory turnover and efficiency, and created a Assembly part replenishment plan based on key performance indicators insights.

PROJECTS**Brew My Recommendations** [\[GitHub\]](#)

- Developed a [Starbucks Drink Recommendation System](#): Designed and implemented a Flask-based web application using Python [\[Demo\]](#), integrating machine learning algorithms to deliver personalized drink recommendations.

New York City Airbnb Market Analysis & Price Prediction [\[GitHub\]](#)

- Uncovered NYC Airbnb market trends & conducted in-depth exploratory data analysis (EDA) (Python & SQLite) and visualizations using Matplotlib, Seaborn, Plotly and Built predictive models (Linear & Ridge Regression) with 80% accuracy in forecasting listing prices.

YouTube API Channel Analysis [\[GitHub\]](#)

- Extracted and Analysed data from **11k** videos of YouTube channel VOX using custom Python methods from the YouTube Data API, and Conducted comprehensive channel analysis, revealing correlations between likes, views, and comments through EDA.

SKILLS

- Programming Languages:** Python (Pandas, NumPy, Matplotlib, seaborn, scikit-learn, sqlite, Plotly, Pytorch), R, SQL, Java, C++, Html
- Data Visualization:** Microsoft Power BI, Power Query, Power Automate, Excel, Word, PowerPoint, Tableau, Microsoft Office Suite, Dax Studio, Custom Visuals, AWS, Azure, Qlik
- Data Techniques/Tools:** Data Analytics, Business analytics, Data Visualization, Statistical Data Mining, Predictive Analytics, Machine Learning, Deep Learning, PostgreSQL, Oracle, ETL, Amazon Redshift, Hadoop, SAP, CRM, Data Lake, Google Suite, data models, Statistical modelling, Git, Jira, Spark, Selenium, Snowflake, MongoDB, computer vision, TensorFlow, Airtable, Keras
- Key Competencies:** Supply Chain Management, operations, Marketing analytics, project management, attention to detail, Agile, Scrum, Business acumen, verbal and written communication skills, version control, innovative thinking, code review, problem-solving

CERTIFICATIONS & AWARDS

- AWS Certified: **AWS certified cloud practitioner (CLF-C02)** January 2023
- Earned **Cognizant Cheers Award** for a **Top 10 Process Improvement Initiative** and outstanding client appreciation. May 2022