GANA SYAM REDDY MANDEPUDI

• 44 Northrup Pl, Buffalo, NY, 14214 • +1 (716) 538-9352 • ganasyam@buffalo.edu • linkedin.com/in/syam-reddy/

EDUCATION

University at Buffalo, The State University of New York – Buffalo/USA   Aug 2023 – Dec 2024

Master of Science in Engineering Science (Data Science)

CGPA: 3.7/4

TECHNICAL SKILLS

- **Programming Languages & Databases**   : Python, C, MySQL, MATLAB, R.
- **Cloud Technologies**   : AWS, Azure.
- **Scripting Languages**   : Bash, Shell, JSON.
- **Web Technologies**   : HTML, CSS, JS.
- **Frameworks**   : Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, CNN, NLP, Kafka.
- **Tools**   : Jenkins, Nagios, Spark, Git, ServiceNow, Power Bi, Hadoop, Databricks.

WORK EXPERIENCE

❖ **Tata Consultancy Services (TCS) Chennai, India** – DevOps Engineer   July 2021 – July 2023
  Client: Myer

- Managed production servers and created development and test environments replicating the production setup to ensure seamless operations.
- Provided 24/7 support and participated in daily standup meetings, tracking tasks using Jira as part of an Agile methodology.
- Automated routine tasks, including instance resizing, volume resizing, and production data backup, by creating Jenkins pipelines, significantly reducing manual intervention.
- Proposed and implemented a cost-saving solution by automating the adjustment of AWS storage classes based on specific requirements.
- Developed a Lambda function triggered by AWS EventBridge to automate IP whitelisting in AWS WAF, addressing access issues effectively.
- Innovated a Slack-based instance resizing solution to accommodate non-technical users, enabling them to perform tasks via simple Slack commands, thereby simplifying the process and improving efficiency.

❖ **Fragma Data Systems Bangalore, India** – Data Analyst   Aug 2020 – Jun 2021
  Client: Total Rewards

- Engineered ETL processes and data warehousing solutions, utilizing Azure Data Factory (ADF) pipelines and Databricks notebooks to automate data ingestion from various sources, including Azure Data Lake Storage (ADLS), SFTP, SharePoint, and Dataverse.
- Developed Power BI reports with Row-Level Security (RLS) to ensure data confidentiality, and access control.
- Authored Databricks notebooks for SQL query execution and automated result dispatch, improving data handling and reporting efficiency.
- Managed the onboarding of new datasets, performed comprehensive data testing, and conducted periodic enhancements to the data framework, ensuring continuous improvement.

PROJECTS

❖ **Face Recognition based Attendance System – ML, SVM, Data Cleaning, Visualization**

- Developed an ML model that will automatically mark attendance using the camera while entering into a room. It is built using a Support Vector Machine Algorithm.
- It involves the usage of various methods from different libraries for data cleaning, visualization, and model building.

❖ **Retail Data Management System – DBMS, SQL, Query Optimization, PostgreSQL, Web Application, Visualization.**

- Created a normalized retail data management system with optimized SQL queries, reducing query time by over 50%, and developed an interactive dashboard for real-time data access.

❖ **Bank Churn Prediction – ML, Logistic Regression, KNN, Naive Bayes, Random Forest, SVM, Data Preprocessing.**

- Built ML models to predict bank customer churn with 87.14% accuracy, enhanced by data preprocessing techniques, and deployed a web application for real-time churn risk assessments.

CERTIFICATES

- AWS Certified Cloud Practitioner.
- Udemy Certified AWS SysOps Administrator
- Microsoft Certified Azure Fundamentals.
- Microsoft Certified AI Fundamentals.
- Microsoft Certified Data Fundamentals
- IBM Data Science Professional

AWARDS AND ACHIEVEMENTS

- Felicitated with "**On The Spot**" award for the Cost Saving Plan.
- Received **"Certificate of Appreciation"** from Clients for Google bot and Bing bot Automation.