

Venkata Rama Sai Badam

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SKILLS

Languages: SQL, Java, Python

Technologies: AWS(S3, Lambda, RDS)

Tools: PowerBI, Bash, Docker, Excel, Git/GitHub, Jenkins, Linux

EXPERIENCE

Analyst, Tata Consultancy Services

Jan '21 – Jun '22

- Extracted and integrated data from multiple network devices to create a centralized source for outage analysis.
- Served as a liaison between network operations and development team to translate outage analysis needs into a Power BI solution, improving outage identification by 23%.
- Documented the functionalities and user guide for the Power BI dashboard to ensure smooth handover and future maintenance.
- Conducted in-depth RCA, documented findings in Jira and provided bug fixes for a Java based Network controller software.

DevOps Intern, Informatica

May '19 – Jun '19

- Implemented Jenkins pipelines for automating build, test, and deployment processes in staging area, using Git and Maven.
- Implemented 30+ test cases using TestNG and Selenium.

PROJECTS

Unmasking L.A - A Data-Driven Deep Dive into Crime | Python, Seaborn, Matplotlib, Pandas, folium, GIS, Geopandas

This analysis examines crime data across several dimensions, including time of day, location, victim age, and time elapsed since the last crime, to identify correlations and patterns in criminal activity.

- Data Imputation, EDA, Visualizations, Data Analysis, PowerBI Dashboard

Project link : lapd.ramasai.dev

Startup success factors | Python, SQL, Pandas, Matplotlib, folium

This project analyzes the impact of factors like funding amount, location, and number of funding rounds on startup growth, visualizing results through an interactive map using Folium library and Foursquare API for location data retrieval.

Project link : linkedin.com/startup-success-factors

Linkit – File sharing Web Application | Python, Flask, AWS(Cognito, S3, Lambda), Nginx

Linkit is a file sharing web application built on Flask. Seamlessly integrated with AWS services, offering User Authentication, file storage, dynamic prefix creation.

Project link : linkit.ramasai.dev

Electric Load Forecasting with Federated Learning | Python, TensorFlow, Docker

Emulated Federated Learning with Electrical Load Forecasting using docker, achieving comparable accuracy to centralized training while preserving data privacy.

- Data preprocessing, feature engineering, model training, and deployment.

EDUCATION

University of Central Florida

Aug '22 – May '24

Master's in Computer Science GPA 3.92 / 4.0

- Data mining I, II - A

GITAM University

Jun '16 – Jun '20

Bachelor's in Computer Science GPA 7.96 / 10

CERTIFICATIONS

- Certified AWS Solutions Architect – Associate (ID : D3QM7J3291RE1YGD)
- IBM Data Science Professional Certificate (ID : 6NM5P6AVTQAW)