**SIVARAM G S**

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**PROFESSIONAL SUMMARY**

• **8 years of professional experience** in data science domain driving the initiatives of results-driven analytics solutions end to end.

• Proven track record as a **Scrum Master with experience in agile delivery** and project management.

• Skilled in guiding cross-functional teams, optimizing workflows, and **delivering** **advanced data projects** with complex environments.

**EXPERIENCE**

**Evertz India Pvt Ltd Senior Data Science Engineer April 2020 – Present**

• Spear-headed the team that built and launched **evGPT - a chatGPT for Evertz powered by LLM (GPT-4 Turbo)** using Azure OpenAI. Collaborated with different product owners to ingest quality data and fine-tuned the LLM. Implemented RAG (using Langchain and Chainlit), resulting in a **70% accurate response** for the employee queries.   
• Delivered analytics solution for the major sports leagues: **NBA, MLB, NHL** on the first party data collected by **Evertz’s** [**Easelive platform**](https://www.easelive.tv/) by applying machine learning techniques and achieved **50%** increase in users viewing duration, **68%** increase in poll response rate and **56%** increase in user engagement.  
• Built optimized data pipelines to read large volume of real-time Easelive data and stored in customer destinations: snowflake, databricks **reducing** **analytics reports generation time by 80%.**  
• Designed, configured, and owned [inSITE (Evertz Bigdata Analytics) deployment](https://evertz.com/applications/big-data-analytics/) for DU Samacom (UAE), Fox (US), WBD (US, UK).

**Dell Technologies Software Engineer 1 June 2017 – March 2020**

• Performed data cleaning and built analytics for [**DELL’s Digital Lifecare**](https://www.dell.com/en-in/dt/corporate/social-impact/transforming-lives/innovating-for-impact/digital-lifecare.htm#tab0=0) **project** that powers the **Govt of India’s Ayushman Bharat** scheme of preventive screening and detected fraudulent signatures in data collected by Primary Health Center workers.   
• **Containerized** [DELL EMC Solutions Enabler](https://www.vmware.com/resources/compatibility/detail.php?deviceCategory=sra&productid=49041) Product by reducing the **OS image size by 70%**.   
• ‘[**US Patent-11256553**](https://patents.justia.com/patent/11256553) **Intelligent System to Prioritize Servers for Envisaged Requests**’ granted for the research work.

**Tata Elxsi** **Engineer** **July 2016 – June 2017**

• Designed and delivered a **Video on Demand** non-linear delivery workflow for [Comcast by optimizing C3/C7/D4/D7 windows](https://www.comcasttechnologysolutions.com/video-on-demand-vod-solutions).

• Enabled full ad insertion support in parcel creation and reduced VOD content **packaging time of operators by 60%**.

**PROJECTS**

• **Inference of LaMini Text2Text Generation with Amazon SageMaker using Hugging Face DLC**  | **June 2024**  | [**Github\_Link**](https://github.com/sivaramgs/Inference-of-LaMini-Text2Text-Generation-with-Amazon-SageMaker-using-Hugging-Face-DLC)

Tech Stack: LaMini-T5-738M, Amazon Sagemaker, Hugging Face Deep Learning Container ( DLC ), Python 3.10, Pytorch, Gradio.

• **Serverless Blog Generation with Titan Text G1 Express Model using Amazon Bedrock in Lambda**  | **June 2024**  | [**Github\_Link**](https://github.com/sivaramgs/Serverless_Blog_Generation_with_Titan_Text_G1_Express_Model_Using_Amazon_Bedrock_in_Lambda)

Tech Stack: Postman, Amazon API Gateway, AWS Lambda, Titan Text G1 Express Model, Amazon Bedrock, S3, Python 3.12.

• **Custom Web Search LLM Agent with LLAMA3 instruct 8B using Ollama**  | **June 2024**  | [**Github\_Link**](https://github.com/sivaramgs/custom_websearch_llm_agent_with_llama3_instruct_8B_using_ollama/)

Tech Stack: Llama3 Instruct 8B llm, Ollama, Serper google search engine API, Python 3.10.

• **Sentiment Analysis on Bing News API Data with Microsoft Fabric**  | **May 2024**  | [**Github\_Link**](https://github.com/sivaramgs/Sentiment_Analysis_on_Bing_News_Data_with_Microsoft_Fabric)

Tech Stack: Microsoft Fabric, Azure Data Factory, Synapse (Data Engineering & Data Science), Power BI, Data Activator, Pyspark.

• **Generative Adversarial Network For Fashion Mnist Dataset with Tensorflow**  | **May 2024**  | [**Github\_Link**](https://github.com/sivaramgs/Generative_Adversarial_Network_for_Fashion_Mnist_with_Tensorflow)

Tech Stack: Fashion Mnist Dataset 3.0.1, Tensorflow 2.16, Python.

• **Real-Time Sales Analysis in PowerBI with End-To-End Azure Data Engineering**  | **Apr 2024**  | [**Github\_Link**](https://github.com/sivaramgs/Real-Time_Sales_Analysis_in_PowerBI_with_End-To-End_Azure_Data_Engineering)

Tech Stack: Data Factory, ADLS Gen2, Azure Databricks, Synapse Analytics, Key Vault, Active Directory, Pyspark.

• **Stream Processing in Azure Databricks Lakehouse with Unity Catalog**  | **Mar 2024**  | [**Github\_Link**](https://github.com/sivaramgs/Stream_Processing_in_Azure_Databricks_Lakehouse_with_Unity_Catalog)

Tech Stack: ADLS Gen2, Azure Databricks Lakehouse, Unity Catalog, Azure Devops, Key Vault, Pyspark.

**EDUCATION**

**Master of Science in Data Science** **Liverpool John Moores University, UK**. Jan 2020 – Jan 2022

**Bachelor of Engineering in Computer Science** **Anna University, India**. July 2012 – May 2016

**SKILLS**

• **Languages** **& Databases:** Python, Pyspark, MySQL, PostgreSQL, Pinecone, PG\_Vector, Elasticsearch, Redis.

• **Platforms**: AWS, Azure, Microsoft Fabric, Databricks, Snowflake, Spark, Hadoop, Kafka, Airflow, Flink.

• **Libraries**: NumPy, Pandas, Scikit-learn, NLTK, Matplotlib, Plotly, MLflow.

• **Frameworks**: TensorFlow, Keras, PyTorch, Langchain, Chainlit, Streamlit, Logstash.

• **Technologies**: Power BI, Git, Docker, Machine Learning, Deep Learning, NLP, LLM, GenAI, MLOps, LLMOps.