

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
<ul style="list-style-type: none">• 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 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 for DU Samacom (UAE), Fox (US), WBD (US, UK).		
Dell Technologies	Software Engineer 1	June 2017 – March 2020
<ul style="list-style-type: none">• Performed data cleaning and built analytics for DELL's Digital Lifecare 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 Product by reducing the OS image size by 70%.• 'US Patent-11256553 Intelligent System to Prioritize Servers for Envisaged Requests' granted for the research work.		
Tata Elxsi	Engineer	July 2016 – June 2017
<ul style="list-style-type: none">• Designed and delivered a Video on Demand non-linear delivery workflow for Comcast by optimizing C3/C7/D4/D7 windows.• 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](#)
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](#)
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](#)
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](#)
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](#)
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](#)
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](#)
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.