Sivaram G S

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Education

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

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

Skills

Languages: Python, Pyspark.
Databases: MySQL, PostgreSQL, Pinecone, PG_Vector, Elasticsearch, Redis.
Platforms: AWS, Azure, Databricks, Snowflake, Spark, Hadoop, Kafka.
Libraries: NumPy, Pandas, Scikit-learn, NLTK, Matplotlib, Plotly, MLflow, Opencv.
Frameworks: Keras, TensorFlow, PyTorch, Langchain, Chainlit, Streamlit, Logstash.
Tools: PowerBI, Git, Docker, Jira, Confluence, Notion.
Technologies: Machine Learning, Deep Learning, NLP, LLM, GenAI, MLOps, LLMOps, DevOps, Computer Vision.

Experience (8 Years)

Evertz India Pvt Ltd   April 2020 – Present
Senior Data Science Engineer
• Spear-headed the team that built and launched evGPT - a chatGPT for Evertz powered by Large Language Models (GPT-4 Turbo) using Azure OpenAI. Collaborated with different product owners to ingest quality data and fine-tuned the LLM resulting in 70% accurate response.
• Delivered analytics solution for the major sports leagues: NBA, MLB, NHL on the first party data collected by Evertz 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 reports creation time by 80%.
• Designed, configured, and managed inSITE (Evertz Bigdata Analytic Solution) for customers: DU Samacom (UAE), Fox (US), Rogers (Canada).

Dell Technologies   June 2017 – March 2020
Software Engineer 1
• Performed data cleaning and built analytics for DELL's Digital Lifecare that powers the Govt of India's Ayushman Bharat scheme for preventive screening of diabetes, hypertension, and cancers detecting fraudulent signatures in people data collected by Primary Health Centers workers.
• Containerized DELL EMC Solutions Enabler Product by reducing the OS image size by 70%.
• US Patent-11256553 granted under the class Computer Network Monitoring – "INTELLIGENT SYSTEM TO PRIORITIZE SERVERS FOR ENVISAGED REQUESTS".

Tata Elxsi   July 2016 – June 2017
Engineer
• Delivered a Video on Demand workflow for Comcast by optimizing RTVOD, C3 and C7 windows with full ad insertion support reducing quality check and content packaging time by 60%.
• Configured and Deployed File based Media Asset Management Playout systems for Linear and Non-Linear workflows.

Projects

• **Sentiment Analysis on Bing News Data with Microsoft Fabric** | May 2024 – May 2024 | ⌗ Github
Tech Stack: Fabric, Azure Data Factory, Synapse (Data Engineering & Data Science), PowerBI, Data Activator, Pyspark.
• **Generative Adversarial Network For Fashion Mnist Dataset with Tensorflow** | May 2024 – May 2024 | ⌗ Github
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 – Apr 2024 | ⌗ Github
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 – Mar 2024 | ⌗ Github
Tech Stack: ADLS Gen2, Azure Databricks Lakehouse, Unity Catalog, Azure Devops, Key Vault, Pyspark.

Certificates:

• AWS Cloud Quest: Machine Learning Link | • AWS Cloud Quest: Solution Architect Link
• AWS Cloud Quest: Data Analytics Link | • AWS Cloud Quest: Security Link
• AWS Cloud Quest: Serverless Developer Link | • AWS Cloud Quest: Cloud Practitioner Link