

ALURI LEELA SUBHASH CHANDRA

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PROFESSIONAL SUMMARY

Data-focused engineer with practical experience in building data pipelines and optimizing data workflows for analytics and AI applications. Skilled in transforming raw data into meaningful insights and improving data quality through structured processing. Strong foundation in SQL, data processing, and system fundamentals, focused on delivering efficient and reliable data solutions.

WORK EXPERIENCE

• **APSCHE-Smart Bridge | Data Analytics with Power BI January 2025 - March 2025**

- Led end-to-end development of interactive Power BI dashboards, processing 10,000+ records to deliver actionable business insights and improve reporting efficiency by 15%.
- Designed scalable ETL pipelines and data transformation workflows, integrating structured enterprise data sources into automated reporting systems using DAX, Power Query, and SQL.
- **Technologies Used:** Power BI (Desktop & Service), DAX, Power Query (M), SQL, Data Modeling, KPI Design.

EDUCATION

• **B. Tech in Artificial Intelligence and Data Science**

- Seshadri Rao Gudlavalleru Engineering College | CGPA: 8.58/10 | 2021-2025.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, SQL.
- **AI & GenAI:** Large Language Models (LLMs), LLaMA 3, Prompt Engineering, Diffusion Models.
- **Data Engineering:** ETL Pipelines, Data Transformation, Data Modeling, Query Optimization.
- **Frameworks & Libraries:** Streamlit, Pandas, Plotly, PyTorch, TensorFlow, Scikit-learn.
- **Cloud & Infrastructure:** GCP, Azure, AWS, Docker, Git, GitHub.
- **Messaging & Caching:** Kafka, Redis.
- **Databases:** PostgreSQL, Oracle SQL, SQLite.
- **Mathematics:** Probability, Statistics, Linear Algebra (Foundations).

PROJECTS

• **Cloud-Native Video Streaming Platform | GCP**

- Engineered a cloud-native video streaming system on **GCP** with adaptive **HLS** transcoding and asynchronous processing, improving API response times by ~40% through Redis caching and read-replica scaling.
- Implemented high-availability architecture with event-driven messaging and load-balanced Nginx delivery, ensuring optimized data access patterns and read scalability under production-level load.
- **Technologies:** Node.js, Express, Prisma, PostgreSQL, Kafka, Redis Sentinel, FFmpeg, Docker, Nginx, Google Cloud Platform.

• **Cloud-Based ETL & Analytics Pipeline**

- Designed an ETL pipeline to collect, clean, and store structured data from multiple sources on cloud infrastructure, reducing manual data processing effort. Applied data transformation and validation techniques to improve data quality and ensure reliable analysis.
- Created interactive Power BI dashboards to visualize key insights and support informed decision-making.

• **Generative AI : Text-to-Image System**

- Built a scalable text-to-image generation pipeline using **Stable Diffusion and CLIP embeddings**, enabling high-fidelity image synthesis from structured prompts.
- Implemented prompt conditioning, embedding optimization, and multimodal alignment techniques to improve generation consistency and semantic accuracy across large datasets.
- Optimized inference workflows using PyTorch, improving generation throughput and reducing latency during batch processing.
- **Technologies:** PyTorch, Diffusion Models, CLIP, Multimodal Architectures, NLP, Computer Vision, Prompt Engineering.

CERTIFICATIONS

- Microsoft - Azure Fundamentals (AZ – 900) | 2023
- IBM Skills Build - Artificial Intelligence ,Machine Learning | 2025
- Wipro TalentNext – .NET Full Stack Certification | 2024