K CHANDU

Aspiring Azure Data Engineer | AI Automation Enthusiast
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💼 Professional Summary

Detail-oriented and innovative **Computer Science graduate (2023)**, trained in **Azure Data Engineering** with hands-on expertise in **Databricks, ADF, Synapse, PySpark, and Delta Lake**. Designed and executed **enterprise-scale data pipelines** simulating real-world scenarios.

Creator of an **AI Media Factory project** that fully automates YouTube content generation using offline large language models, voice synthesis, and visual rendering tools.

Built and optimized **25+ Golden Layers in Databricks** simulating an **e-commerce analytics platform**, showcasing strong command over **data modeling, transformation, and pipeline orchestration**.

🧪 Academic + Hands-On Projects

🔷 Azure E-Commerce Analytics Platform (25 Golden Layers Simulation)

Azure Databricks | Delta Lake | PySpark | ADF | ADLS Gen2

- ❖ Processed real e-commerce CSV data across 5 months from ADLS Gen2 → Bronze → Silver → 25 Golden Layers.
- ❖ Performed data cleansing, timestamp parsing, price normalization, and feature engineering.
- ❖ Created 25 business-focused golden layer tables including:
  - ➢ Top brands by revenue/volume

- ➢ Session duration & user retention
- ➢ Revenue by hour/day/category
- ➢ Abandoned carts, repeat customers, product lifespan, and more.

❖ Registered all Delta tables for direct BI access.

❖ Optimized for modular execution: 1 job = 1 insight layer.
⚡ *Executed 800+ Spark jobs and automated storage to Blob using Databricks Delta.*

🔷 **AI Media Automation System (Personal Project)**

- Built a **zero-cloud YouTube content engine** using local AI models.
- Designed to scale up to **2,500 AI-powered YouTube channels**, all managed by offline orchestration.

🔷 **End-to-End Azure Data Pipeline (Simulation)**

ADF | Synapse SQL | Databricks | ADLS Gen2

- Ingested structured/unstructured data from local → cloud storage → processing layers.
- Applied transformations in PySpark and visualized results using SQL Serverless Pools.
- Monitored and debugged pipeline runs using ADF triggers and logs.

🎓 Education

B.E. - Computer Science Engineering

Bharath Institute of Higher Education and Research (BIHER), Chennai

CGPA: 8.23 / 10 | **Year:** 2019 – 2023

⚙️ Technical Skills

Cloud & Data Engineering:

- Azure Data Factory, Azure Synapse Analytics, Azure Databricks, ADLS Gen2, Azure Blob Storage
- Delta Lake, Apache Spark, Structured Streaming, Notebook Jobs

Programming & Data:

- Python, SQL, PySpark, REST APIs, JSON, CSV, Parquet

AI/Automation Tools:

- Ollama, Bark TT, ComfyUI, AnimateDiff, Deep Translator

DevOps & CI/CD:

- GitHub Actions, Azure DevOps (basic), Notebook versioning, Parameterized pipelines

Orchestration & Monitoring:

- Triggers, linked services, debug runs, error handling in ADF

🧭 Certifications & Goals

🎯 Preparing for:

- **DP-203:** Azure Data Engineer Associate
- **AZ-900:** Azure Fundamentals

🧠 Hobbies & Interests

- AI-based YouTube storytelling automation

- Learning and building on top of Azure Data Stack
- Exploring sci-fi ideas + storytelling via code
- Mentoring AI/data learners in my network