

SRI KRISHNA TEJA YADLAPALLI

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SUMMARY

Master's candidate in Computer Science with hands-on experience in Python, SQL, ETL, and data warehousing. Proven ability to implement scalable solutions and automate workflows, with a keen interest in digital advertising and performance marketing. Skilled in collaborating within cross-functional teams to optimize data pipelines and campaign analytics.

EDUCATION

Lamar University, Beaumont, Tx

Aug 2023 - May 2025

Master of Science in Computer Science

GPA: 3.7/4.0

Course work: Cloud Computing, Data Science and Big Data Analytics, Big Data Compute Systems, Android Programming, Operating Systems.

PROFESSIONAL EXPERIENCE

Salesforce

Jul 2022 - Dec 2022

Salesforce Developer Intern

Hyderabad, India

- Optimized business workflows by automating processes with Salesforce Workflows, Process Builder, and approval processes, reflecting strong analytical skills useful for scalable data pipeline development.
- Engineered and implemented scalable Salesforce Flows (record-triggered, schedule-triggered, and screen flows) to streamline data processing tasks analogous to ETL processes.
- Enforced robust data governance through adherence to Salesforce security best practices, including sharing rules, role hierarchy, and field-level security, mirroring principles in data warehousing.
- Developed custom business logic using Apex programming, triggers, and batch jobs to automate complex tasks, underscoring technical proficiency applicable to Python and SQL scripting.
- Executed thorough testing and debugging with Apex test classes to ensure high code coverage and effective error handling, demonstrating attention to detail vital for maintaining reliable data processes.
- Configured development environments with Visual Studio Code and Salesforce CLI to streamline deployment, highlighting collaborative and technical skills relevant to building data-driven solutions.

PROJECTS

Data Engineering Pipeline for Tokyo Olympics Dataset using Azure & Databricks"

- Designed and deployed an end-to-end cloud-based data engineering pipeline to ingest, transform, and store Tokyo Olympics datasets using Azure services.
- Ingested raw CSV files (Athletes, Coaches, Medals, Teams) from GitHub into Azure Data Lake Gen2 using parameterized pipelines in Azure Data Factory.
- Developed scalable PySpark scripts in Databricks to clean, join, and normalize datasets, converting raw data into partitioned Parquet and Delta tables.
- Automated and scheduled the ETL workflow using ADF triggers, ensuring robust orchestration and monitoring for production-like data flow.
- Tech Stack: Azure Data Factory, Azure Data Lake Gen2, Databricks, PySpark, Delta Lake, Parquet, Python, SQL.

Image Caption Generator

- Developed a deep learning-based Image Caption Generator using CNN (InceptionV3) for feature extraction and LSTM networks for caption generation.
- Preprocessed datasets (Flickr8k) with tokenization, padding, and word embeddings to train the model effectively.
- Implemented beam search decoding to improve the quality of generated captions and enhance sentence fluency and coherence.

- Built and deployed an interactive interface for real-time caption prediction using Python, TensorFlow, and Flask.
- Tech Stack: Python, TensorFlow, InceptionV3, LSTM, NumPy, Flask.

AI-Based Job Portal

- Developed a full-stack AI-based Job Portal using React.js, Node.js, and Express.js, enabling seamless job posting, search, and application workflows.
- Implemented dual-role login system for recruiters and users with personalized dashboards, access control, and role-based features.
- Integrated Cosine Similarity in Python to match user profiles with job listings based on skills, location, position, and job type.
- Tech stack: React.js, Html, CSS, Node.js, Express.js, Python .

TECHNICAL SKILLS

- **Programming Languages:** Python, Java , SQL, JavaScript
- **Databases:** MYSQL, SQL Server, MongoDB
- **Data Warehouses:** Snowflake, Amazon Redshift, Azure Synapse
- **Big Data & Streaming:** Apache Kafka, , PySpark
- **Cloud Platforms:** GCP(Big Query), Azure(Data Factory, Synapse, Blob Storage)
- **ETL / Orchestration:** Apache Airflow, ETL Processes
- **Frontend Tools:** HTML5, CSS3, Bootstrap, jQuery, Tailwind CSS
- **Development Tools:** Git/GitHub, Maven, Visual Studio code, Salesforce CLI
- **Additional Skills:** Data Engineering, AI/ML Concepts

CERTIFICATIONS

- **Microsoft Certified Fabric Data Engineer Associate:** Credential ID: 30B56B897EFB418
URL: [Fabric Data Engineer Associate](#)

LEADERSHIP AND VOLUNTEER ACTIVITY

Student Activity Council Member

- Led a team of 50+ volunteers to organize a 3-day cultural fest attended by over 1000 students.
- Coordinated logistics, sponsorships, stage events, and guest management across 15+ events.