CHAKILELA SRIVIDHYA

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PROFESSIONAL SUMMARY

AI & Data Science undergraduate with hands-on experience in machine learning, data engineering, and cloud-based ML pipelines. Proven ability to build scalable PySpark ETL workflows, deploy predictive models, and deliver measurable business impact. Internship experience at Walmart Global Tech optimizing large-scale supply chain ML systems.

EDUCATION

Bachelor of Technology – Artificial Intelligence & Machine Learning *Expected May 2026*
Malla Reddy Engineering College for Women, Hyderabad CGPA: **9.7 / 10.0**

EXPERIENCE

Walmart Global Tech *May 2025 – July 2025*
Software Engineer Intern (Data Science) *Bangalore, India*

- Designed and optimized ensemble-based machine learning models for supply chain forecasting, improving delivery timeliness by **3%** through feature engineering and performance tuning.
- Engineered scalable PySpark ETL pipelines on Azure Databricks, processing **4M+ records** for automated ingestion, training, validation, and deployment.
- Developed end-to-end ML pipelines enabling real-time retraining and model evaluation, enhancing system reliability and scalability.
- Partnered with data scientists and engineers to benchmark models and track production performance metrics.

Infosys Springboard | *Code* *Oct 2024 – Dec 2024*
Artificial Intelligence Intern *Hyderabad, India*

- Created **LingualSense**, a multilingual NLP text classification system using LSTM, achieving **92% accuracy** with real-time inference.
- Conducted EDA, feature engineering, and model fine-tuning, improving classification accuracy by **2%** across multilingual datasets.
- Deployed models through Streamlit to enable interactive and user-friendly inference workflows.
- Utilized Git for version control and collaborative documentation.

KEY PROJECTS

Synthetic ECG Signal Generation (GANs) | *Code* *Feb 2025 – Apr 2025*
Python, TensorFlow, Streamlit

- Built a GAN-based deep learning model generating **6000+ synthetic ECG signals**.
- Validated signal quality using Dynamic Time Warping with **85% lower baseline distance**.
- Deployed an interactive Streamlit application for real-time waveform generation.

Brain Tumor Detection System | *Code* *Oct 2023 – Dec 2023*
Python, TensorFlow, Tkinter

- Developed a CNN-based medical imaging model achieving **96% accuracy**.
- Integrated segmentation and edge detection for improved localization.
- Designed a Tkinter-based GUI for interactive diagnostic analysis.

TECHNICAL SKILLS

Programming: Python, Java, SQL, C
Data Engineering: PySpark, Azure Databricks, ETL Pipelines
Machine Learning & AI: TensorFlow, Keras, Scikit-learn, Deep Learning, NLP
Data Analysis: Pandas, NumPy
Tools: Git, GitHub, Jupyter Notebook, Google Colab, Streamlit, VS Code
Databases: MySQL

ACHIEVEMENTS & CERTIFICATIONS

IBM GenAI Hackathon (Feb 2025): Built an LLM-based onboarding assistant reducing HR effort by **80%**; ranked in top **30%**.
Google Gen AI Exchange Program (May 2025): Certified in Generative AI, prompt engineering, and ethical AI systems.