

## SUMMARY

Analytical and detail-oriented **Artificial Intelligence & Data Science** graduate with hands-on experience in developing **ML models, Data Mining, Analysis, Modeling and Visualization**. Proficient in **Tableau, SQL, Python and Excel** with strong skills in **Data Cleansing, Statistical Analysis, and Large dataset handling**. Adept at building **Interactive Dashboards** to support **business decision making**. Eager to contribute to **data-driven solutions at your company**.

## SKILLS

- Programming Languages : Python, C, SQL
- Frameworks & Libraries : Pandas, NumPy, PySpark, TensorFlow, Keras, Scikit-Learn, Matplotlib, NLTK, Spacy, Gensim
- Tools : Excel, MySQL, GitHub, Tableau, PowerBI, ChatGPT, M365 Copilot

## EDUCATIONAL CREDENTIALS

### B.E. Artificial Intelligence and Data Science

Global Academy of Technology | **2021 - 2025** | **CGPA: 8.3**

### Class 12 (PCMB) - CBSE

Sri Chaitanya Techno School | **87%** | **2021**

### Class 10 - CBSE

Sri Chaitanya Techno School | **82%** | **2019**

## WORK EXPERIENCE

### AI ENGINEER INTERN | GAS TURBINE RESEARCH AND ESTABLISHMENT (GTRE), DRDO

Sept 2024 - Dec 2024 | Bengaluru, KA

- Built **predictive analytics models** to monitor turbine engine health, identifying anomalies and trends for proactive maintenance.
- Ensured **data governance** by converting raw binary sensor data into structured formats with **92% accuracy**, improving analysis readiness.
- Performed **data cleansing, preprocessing, and statistical modeling** using LSTM, GRU, XGBoost, etc for **time-series forecasting**.
- Designed **interactive dashboards** for anomaly visualization, enabling rapid decision-making.
- Implemented **optimization** with **hyperparameter tuning (Optuna, HyperOpt)**, reducing **MAE by 30%**.

## PROJECTS

### BlockTrack - Blockchain-Enabled Supply Chain Management System | [GitHub Link](#) | May 2025

- Designed and developed** a decentralized supply chain system (BlockTrack) integrating **RFID and Ethereum smart contracts**, improving product traceability and transparency by 100% across all nodes (supplier to retailer).
- Implemented role-based access control and automated payments**, reducing manual intervention by **80%** and ensuring **tamper-proof** transaction records using Solidity and Web3.js.

### Multilingual Sentiment Analysis | [GitHub Link](#) | January 2025

- Achieved **93% accuracy** in **sentiment analysis** using **XLM-RoBERTa**, improving **classification** across **8 languages**.
- Preprocessed **198M+ tweets**, applied **transformer-based embeddings** for **cross-lingual generalization**.

### Car Parking Space Detector YOLOv8 | [GitHub Link](#) | November 2024

- Developed an **automated parking space detection system** using **YOLOv8**, achieving **94% accuracy** in real-time vehicle occupancy detection.
- Optimized **computer vision models** for **edge deployment**, reducing inference time by **40%** for **smart city infrastructure**.

## COURSES AND CERTIFICATIONS

- Career Essentials in Data Analysis** – Microsoft & LinkedIn (**September 2024**)
- Excel Skills Job Simulation** – JPMorgan Chase & Co. (**August 2024**)
- Google AI Essentials** – Google (**September 2024**)
- Data Science for Engineers** – NPTEL - IIT Madras (**September 2023**)
- ChatGPT Prompt Engineering for Developers** – OpenAI & DeepLearning.AI (**July 2024**)

## ACHIEVEMENTS

- Explored futuristic concepts in **space hotel and tourism** design; earned **2nd place** in **NASA Ames Space Settlement Design Contest**.