

ARTHAM SIRI

+917416526336 ◇ Hyderabad, India

siriartham83@gmail.com ◇ [LinkedIn | linkedin.com/in/arthamsiri](https://www.linkedin.com/in/arthamsiri) ◇ [GitHub | github.com/Siriartham](https://github.com/Siriartham)

SUMMARY

Aspiring Data Scientist skilled in Python, SQL, and Machine Learning (regression, classification, clustering). Experienced in data cleaning, feature engineering, and building predictive models on real-world datasets. Built an end-to-end sales forecasting application with a Streamlit dashboard and deployed it to the cloud.

EDUCATION

Malla Reddy College of Engineering & Technology | B.Tech in CSE (Data Science) | GPA: **8.98/10** | 2023 – 2027

Narayana Junior College | Intermediate | **98.7%** | 2021 – 2023

St. Mary's Vidyaniketan High School | SSC | GPA: **10/10** | 2020 – 2021

EXPERIENCE

T-HOME FINTECH — Back-end Developer Intern *Remote* | thomefintech.com

Aug 2026 – Present

- Built and tested RESTful APIs and backend services for smart-loan and real-estate applications.
- Worked with relational/NoSQL databases, implementing backend business logic for application workflows and Debugged backend functionality and collaborated with engineering and product teams on feature delivery.

SKILLS

Languages: Python, SQL, C++.

Machine Learning: Regression, Classification, Clustering, Random Forest, Decision Trees, Time-Series Forecasting.

Statistics: Statistics & Probability, Hypothesis Testing, Data Validation.

Libraries & Frameworks: Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn.

Tools & Deployment: Git, GitHub, VS Code, Jupyter Notebook, Streamlit.

Core CS: Data Structures & Algorithms, OOP, DBMS.

PROJECTS

Walmart Weekly Sales Forecasting System | [Live App](#) | [GitHub](#)

June 2026 – July 2026

Tech Stack: Python, Pandas, NumPy, Scikit-Learn, Joblib, Matplotlib, Seaborn, Streamlit, Git, GitHub

- Developed an end-to-end forecasting application to predict weekly sales across 45 stores using historical retail data, deployed on Streamlit Cloud.
- Performed data cleaning and **feature engineering**, creating time-series lag and rolling-window features to capture retail seasonality
- Trained and evaluated regression models using **MAE and RMSE** (MAE: ~85.4K), achieving a mean forecast error of only ~8% of average weekly sales.

E-Commerce Dataset Cleaning and Optimization Using MySQL and Python | [GitHub](#)

May 2026 – June 2026

Tech Stack: Python, Pandas, MySQL, Git, GitHub

- Built a Python-based data-processing pipeline using Pandas to clean, validate, and transform 2,700+ records.
- Applied database indexing and SQL query optimization techniques, reducing measured query execution time to 0.015 seconds.

Fantasy Cricket Game | [GitHub](#)

Apr 2026 – May 2026

Tech Stack: Python, PyQt5, SQLite, Git, GitHub

- Developed a Python desktop application using PyQt5 with SQLite for persistent storage and management of 100+ player records.
- Designed and optimized the database schema and SQL queries, reducing measured query response time by 40%.

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional

Oct 2025

Hackfiniti 2025 – National Level Hackathon Participant

Apr 3–4, 2025

LEADERSHIP

- Led backend and frontend development for a farmer-focused application at Hackfiniti 2025, enabling direct farmer-sponsor connections and on-demand booking of agricultural equipment.
- Collaborated with team members to develop and integrate application functionality within a national-level hackathon.
- Served as Class Representative, demonstrating communication, teamwork, and accountability.