

EDUCATION

Coimbatore Institute of Technology

M.Sc. Data Science (5-Years Integrated)

2023 - Present

CGPA: 7.27 (till 4th semester)

SBOA Matriculation Higher Secondary School

Higher Secondary Education

Completed 2023

Percentage: 78.5%

PROJECTS

Retail Demand Forecasting System

- Built a Streamlit-based retail demand forecasting app using Python, Pandas, Prophet, ARIMA, and XGBoost.
- Designed a robust time-series pipeline with resampling, interpolation, stockout handling, outlier capping, lag and calendar/external features.
- Implemented automatic model selection (MAE/RMSE/MAPE) and inventory optimization (EOQ, safety stock, reorder point

Tools Used: Streamlit, Pandas, NumPy, Statsmodels (ARIMA), Prophet, XGBoost, scikit-learn, Matplotlib, Plotly

Auto-Image captioning

- Developed an end-to-end automatic image captioning web app enabling users to upload images and receive generated captions in the browser.
- Integrated a pretrained image captioning model for real-time inference, handling image preprocessing, model loading, and REST API design.

Tools Used: FastAPI, PyTorch, Hugging Face Transformers, Pillow, HTML, CSS, JavaScript.

Argument Strength Analyzer

- Created a system that evaluates the clarity and logical strength of written arguments, flags common weaknesses and fallacies, and suggests more coherent, well-structured revisions.
- Implemented a full workflow from argument input to scored feedback, including strength rating, weakness explanations, fallacy tags, and an automatically rewritten, improved version.

Tools Used: Flask , scikit-learn, HTML, CSS, JavaScript

SKILLS

Languages: Python, SQL, HTML, CSS, JavaScript.

Tools & Technologies: Flask, MongoDB, MySQL, Streamlit, GitHub, Excel, Power BI.

Soft Skills: Problem Solving, Adaptability, Team Work.

Areas of Interest: Machine Learning, Data Analysis, DBMS.

CERTIFICATIONS

- **BinaryXForge (problem-solving event):** Runners Position
- **MinnaLearn & University of Helsinki:** “Elements of AI” Certification

CO-CURRICULAR ACTIVITIES

Design Lead – Photography Club

May 2025 – Sep 2025

- Designed creative posters, banners, and promotional materials for college events.
- Improved the design workflow using tools like Canva.

Technical Lead – Student Development Cell

May 2025 – Present

- Built a quiz web application for a club event, handling UI design, logic, and deployment.
- Supported technical activities, event setups, and digital workflows within the club.