

# THEJASHREE B

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## EDUCATION

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### 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

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### 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

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**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

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

## CO-CURRICULAR ACTIVITIES

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### 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.