M.A.SAMYUKTHA

BSC - ARTIFICIAL INTELLIGENCE

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SUMMARY

AI and Data Analytics undergraduate skilled in digital twin solutions, large-scale data cleaning (Python), and dashboarding (Power BI). Experience in machine learning validation at Nokia/Alstom and advanced feature engineering. Proficient in SQL, SPSS, web development, automation, and Big Data.
Languages: English, French, Tamil, Hindi.

TECHNICAL SKILLS

MS SQL server	Machine Learning	Python Programming	HTML
Power BI	Generative AI	SPSS	CSS
Advance Excel	Artificial Intelligence	Selenium Webdriver	Data cleaning & visualization

INTERNSHIP EXPERIENCE

- **Nokia Networks & Solutions** - Testing Analyst Intern   (July 2025 - Aug 2025)
  Supported a Machine Learning project by validating data, testing outputs, and documenting results.
- **Alstom Transport India** - Production Planner & Industrial Operations Intern   (May 2025 - June 2025)
  Analyzed operational data, and conducted time studies for efficiency improvement.

CERTIFICATIONS & ACHIEVEMENTS

- **Published International AI Research Paper:**
- Forecasting Importance-Based Sedentary Lifestyles Monitoring: A Comparative Study of Feedforward Neural Networks and Random Forest Algorithms - *UAE International Conference on Multidisciplinary Research and Innovation (2024)*
- **Excel Using AI** Workshop - *Office Master (2025)*
- **Introduction to Data Analytics** Using **Microsoft Power BI** - *Alison (2025)*
- **IBM** - AI: Ethics, Fundamentals & Applications; Customer Engagement: Communication & Problem Solving.
- Best Student Award - *Tamil Thaai Foundation (2023)*
- Graduated in **Hindi Literature** (2020)

PROJECTS & RESEARCH

1 **Music Album Popularity Prediction** - ML Research Series, Compared multiple ML algorithms:
  Linear Regression vs KNN --- Logistic Regression vs GNN --- SVM vs Random Forest --- ANN vs Cat Boost
  Used SPSS for statistical analysis and visualizations.

2 **Remote Factory Digital Twin** - Currently developing a digital twin for a remote factory, leveraging Python scripts for automated data cleaning and feature engineering, building dashboards and visualizations with Power BI, and designing 2D process models for manufacturing operations **(ongoing)**.

3 **IoT Project** - Voice-Controlled Obstacle-Avoiding Car

EDUCATION

Saveetha University, Chennai.   2023 - 2026
B.Sc. Artificial Intelligence| CGPA: 8.6