

CATHERINE GLORY S

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Summary

ECE student skilled in Python, SQL, Data Analysis, and Machine Learning with experience in predictive modeling, visualization, and deployment. Strong problem-solving and teamwork abilities with exposure to Flask, Streamlit, TensorFlow, and Power BI.

Education

- **Tagore Engineering College, B.E (ECE)** 2021 – 2025
CGPA: 8.1
- **St. Mary's Girls Higher Secondary School, HSC** 2021
79.55%
- **St. Mary's Girls Higher Secondary School, SSLC** 2019
66.6%

Technical Skills

- **Programming:** Python, SQL
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn, Power BI (Basic)
- **Machine Learning:** Scikit-learn, Scipy, TensorFlow, Feature Engineering, EDA
- **Statistics:** Probability, Hypothesis Testing, Modeling
- **Software Tools:** Jupyter notebook, Colab, Spyder, Visual Studio, Excel, OpenCV
- **Soft Skills:** Problem Solving, Teamwork, Adaptability, Communication

Projects

- **Breast Cancer Prediction with Deployment:** Streamlit web app using XGBoost with joblib deployment, achieved 95% accuracy.
- **Customer Churn Prediction with Deployment:** Streamlit web app using Random Forest with joblib deployment, achieved 80% prediction accuracy.
- **Air Quality Analysis:** Analyzed pollutant data using Python and visualized seasonal trends with heatmaps.
- **Loan Prediction System:** Flask-based app with SVC achieving 82.6% accuracy for loan approval prediction.

Internship

- **Thirumoolar IT Solution** – Power BI Visualization
- **National Small Industries Corporation (NSIC)** – Worked on embedded systems with AI and IoT
- **Polenza Tech Solutions** – Developed Raspberry Pi and IoT-based real-time applications

Certificates

- Introduction to IoT – **NPTEL**
- AI Fundamentals – **IBM**
- Data Science – **Pumo Technovation**

Workshops

- Artificial Intelligence and Machine Learning Workshop, Tagore Engineering College (2 days)

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and belief.