

Shesadree Priyadarshani

✉ pshesadree151@gmail.com | 📞 +1 (352) 328-1832 | 🌐 p-shesadree

Education

University of Florida, *Master's in Applied Data Science*

Aug 2025 – May 2027

- **Coursework:** Advanced Machine Learning, Applied Data Science, Programming for DS, Mathematics for Data Science, AI Ethics

National Institute of Technology Rourkela, *B.Tech in Electrical Engineering*

Aug 2019 – May 2023

- **GPA:** 8.26/10.0

Technical Skills

- **Programming Languages:** Python, SQL, R
- **Data Science & ML:** Regression & Classification, Predictive Modeling, Time Series Forecasting, Clustering, LLM, Deep Learning, Quantitative Analysis, Data-driven Recommendations
- **Data Visualization :** Tableau, Power BI, Excel

Professional Experience

Bristol Myers Squibb, Hyderabad, India

Apr 2024 – Jul 2025

Decision Analyst I – Data Science and AI solutions

- Developed and deployed **ML models (regression, predictive modeling)** to evaluate ROI, retention, and sentiment, improving **forecast accuracy by 15%** and driving **\$2M+ ROI**.
- Automated multi-channel analytics **pipelines in Python (pandas, NumPy, scikit-learn, ipywidgets)**, integrating 5+ global data sources and enabling interactive post-launch brand tracking.
- Applied **test-control design** and **predictive models** to isolate **causal impacts**, increasing efficiency by **25%**.

ZS Associates, Pune, India

Jul 2023 – Apr 2024

Decision Analytics Associate – Multi-Channel Marketing

- Engineered and **automated 4 ETL pipelines using SQL, R and Excel**, faster data extraction by **30%**.
- Applied **R** for **statistical analysis** reducing the manual reporting effort by **20%** and improving the client insights.
- Spearheaded development of **5+ interactive Tableau dashboards** enabling real-time data visualization; collaborated with **cross-functional teams to synthesize insights** and present results to client stakeholders.

Tata Steel Long Products, Jamshedpur India

Jun 2022 – Aug 2022

Summer Intern - Increase WHRB-based power generation

- Analyzed time-series sensor data with **regression models** to diagnose inefficiencies, implementing corrective measures that improved power generation **efficiency by 4.1%**.

Projects

Automated PCB Test Plan Generation

Sep 2025

- Designed a **Python-based pipeline** for IPC-2581 netlist parsing, BOM analysis, and **LLM-driven specification** interpretation to generate structured, traceable PCB test procedures.
- Implemented **component-to-spec cross-referencing, chain-of-thought reasoning, and stepwise bring-up synthesis**, producing ready to use Word test plans and accelerating validation for complex PCB prototypes.

IoT-Based Automatic Vehicle Accident Detection and Rescue Model

Aug 2022 – May 2023

- Developed an IoT-enabled accident detection and rescue system by integrating **GPS/GSM sensors with PySpark ML pipelines** and automating an **Arduino-based real-time alert system**, achieving **18%** higher accuracy.

Leadership & Extracurriculars

- Placement Coordinator, NIT Rourkela – Mobilized 50+ recruiters, driving 100% placement for EE Department.
- Secretary, Rotaract Club – Tutored underprivileged children in Math and English.
- Designed battery management modules for Submarine, at Underwater Vehicle Autonomous Challenge(2021)