



Swaroop Teli

Data Analyst | AI/ML Engineer | Junior Consultant

Professional Summary

M.Sc Data Science student with hands-on experience in planning analytics, KPI modeling, and dashboard development using Python, SQL, Tableau, and Streamlit. Background in engineering and data science with a passion for enabling data-driven decision-making in digitization projects. Strong foundation in business process understanding, automation, and cross-functional team collaboration. Fluent in English, B2 in German. Open to impactful roles in planning and analytics across international projects.

Contact

Phone

+4917631797117

Email

teli.swaroop@gmail.com

LinkedIn

www.linkedin.com/in/swaroop-teli-840896214

Github

github.com/swaroophub

Address

Richar-Tauber-Damm 25,
Berlin - 12277

Skills

Programming Languages:

Python, SQL, R

Data Analysis:

Pandas, Scikit-learn, XGBoost, SHAP, LIME, NLTK.

Dashboarding & Visualization:

Tableau, Streamlit, Power BI, Excel.

Machine Learning:

Random Forest, Regression, Clustering, Neural Networks, LLMs.

Cloud & DB Tools:

AWS, PostgreSQL, Spark (basic), Jupyter.

Other:

VS Studio, AutoCAD, Git, LaTeX, Agile, Scrum.

Languages

- English (Fluent)
- German (B2 - Upper Intermediate)

Education

M.Sc. in Data Science

Sep 2023 - Present

University of Europe for Applied Sciences Potsdam, Germany

Master's Thesis: Automated Loop Iteration Prediction Using Machine Learning Techniques.

- Designed a predictive framework for loop iteration counts using machine learning and symbolic analysis
- Applied SHAP and LIME to ensure model explainability and interpret feature importance.
- Focused on accurate WCET estimation in real-time embedded systems

B.E. in Mechanical Engineering

July 2018 - September 2021

KLS Gogte Institute of Technology Belagavi, India

Diploma in Mechanical Engineering

July 2014 - April 2017

R N Shetty Polytechnic Belagavi, India

Experience

Electrical Systems Design Engineer - Automotive

Intelizign Lifecycles Services Pvt. Ltd - Bengaluru, India

Apr 2022 - Dec 2022

- Led wiring and electrical system integration for heavy vehicle designs.
- Collaborated on system routing using AutoCAD and BOM analysis.
- Automated routing validation process using Python, reducing wiring errors and improving design accuracy by 15%.

Junior Electrical Systems Engineer

Shakuntala Engineering - Belagavi, India

Jan 2017 - May 2018

- Performed QA on industrial assemblies, catching 98% of defects during first-round checks; collaborated with design team to standardize test protocols.
- Documented QA results and communicated defects to design engineers, improving resolution speed. Collaborated cross-functionally to enhance test coverage and reduce failures.

Projects

Smart WCET Insight Engine

- Tools: Python, XGBoost, SHAP, GPT-4, Streamlit.
- Developed ML-based planning tool to estimate loop bounds in embedded systems.
- Achieved $R^2 = 0.84$ using XGBoost; generated natural language insights via GPT-4.
- Deployed interactive dashboard for real-time risk evaluation and planning optimization.

Soft Skills

- Analytical Thinking
- Structured Problem Solving
- Communication
- Self-Motivation
- Cross-Functional Collaboration
- Presentation Skills

Supply Chain Delay Risk Predictor

- Tools: Pandas, Random Forest, Streamlit, Tableau.
- Engineered delay-risk classification model (113k+ records) with 89% accuracy.
- Created dashboard for stakeholders to visualize KPIs, delays, and prioritize shipments.
- Delivered business logic for routing and inventory planning.

ESG News Sentiment Analyzer – Streamlit Dashboard

- Tools: Python, Streamlit, TextBlob, NLTK, pandas, Matplotlib, WordCloud, Regex.
- Built an end-to-end ESG sentiment analysis tool using TextBlob polarity scoring, NLTK-based tokenization, and stopword removal.
- Developed an interactive dashboard in Streamlit with keyword filtering (climate, carbon, supply), weekly sentiment trends, and labeled word clouds.
- Engineered scalable text preprocessing pipeline with pandas, regex, and groupby for sentiment classification and real-time news monitoring.

Certificates

- Introduction to R – Great Learning (2025).
- Google Data Analytics Professional Certificate.
- AWS Cloud Practitioner Essentials.
- Machine Learning Workshop.
- IBM Artificial Intelligence Fundamentals.
- Protecting Business Innovations via Patent.