

JhansiMala Silla

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SUMMARY

M.S. student in Information Science & Technology at Missouri S&T, graduating Dec 2025, with strong experience in **data analytics, AI/ML, and software development**. Skilled at turning complex data into actionable insights using **Python, SQL, Power BI, Tableau, and machine learning models**. Former SAP Developer at TCS with hands-on experience in **data operations and system optimization**. Passionate about applying analytics and AI to drive business decisions and solve real-world challenges.

SKILLS

Programming & Tools: Python, SQL (MySQL, SQL Server), Java, Git, Jupyter, Excel, Tableau, Power BI, Scikit-learn, OpenCV, Flask, SAP S/4HANA

Machine Learning & AI: Logistic Regression, Decision Trees, Random Forest, Clustering, Deep Learning (ResNet18, CNN), Model Deployment

Data & Analysis: Data Cleaning, ER Diagrams, ETL, Dimensional Modeling, Tableau, Power BI

Web Development: HTML, CSS, Flask, Django, React.js

Soft Skills: Data Visualization, Problem Solving, Communication, Teamwork, Time Management

EXPERIENCE

Business and Information Technology Department at Missouri S&T

Rolla, MO, USA

Graduate Research Assistant & Student Teaching Assistant

Jan 2025 – Present, Part-time

- Led a fraud detection project using Python, pandas, and scikit-learn; engineered new features and applied RandomOverSampler to improve classification accuracy.
- Developed Power BI dashboards for student analytics; tested datasets and created practice exercises for course modules.
- Assisted students in weekly help sessions for Machine Learning AI for Business, improving coding and analytical skills.

Tata Consultancy Services

Ahmedabad, Gujarat, India

Assistant System Engineer Trainee

Jun 2023 – Dec 2023, Full-time

- Managed SAP S/4HANA data operations including database updates, table configurations, and system testing.
- Collaborated with cross-functional teams to optimize business processes and application reliability, reducing performance issues by 15%.
- Documented workflows and resolved client issues to ensure smooth system operation.

PROJECTS

Walmart Sales Analytics Dashboard | *SQL, Tableau* | [GitHub](#)

- Built interactive dashboards analyzing sales by age, city, and product, providing actionable insights for business decisions.

Customer Churn Dashboard – Banking | *Python, Power BI* | [GitHub](#)

- Created dashboards to visualize churn patterns; performed data preprocessing and exploratory analysis to identify retention drivers.

COVID-19 Detection Using Chest CT Scans | *Python, Flask, PyTorch, OpenCV, HTML, CSS, JavaScript* | [GitHub](#)

- Developed and deployed a ResNet18-based model (87% accuracy) with a Flask web interface for predictions.

EDUCATION

Missouri University of Science and Technology, Rolla, MO, USA

GPA: 3.88/4.00

Master of Science in Information Science & Technology

Jan 2024 - Dec 2025

GMR Institute of Technology (Autonomous) Razam, AP, India

GPA: 3.20/4.00

Bachelor of Science in Computer Science & Engineering

Jun 2018 - Jun 2022