TADEM MADHURI

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EDUCATION

Bachelor of Technology in Computer Science (AI & ML)

Jyothishmathi Institute of Technology and Science | **CGPA: 7.79 | 2021 - 2025**

Relevant Coursework –DBMS, Machine Learning ,Python ,Artificial Intelligence

Intermediate - SR Junior College

Percentage: 96% | 2019 - 2021

EXPERIENCE

1. **Salesforce Developer Virtual Intern | Salesforce Trailhead** - *Remote* **Nov 2023 - Jan 2024**

- Developed a Sales Order Management System using Apex triggers and SOQL, improving data validation accuracy and reducing manual corrections by 30%**.**
- Built Lightning Web Components (LWC) for interactive dashboards and integrated REST APIs for seamless data synchronization.
- Earned Apex Specialist and Process Automation Specialist Superbadges, demonstrating hands-on Salesforce proficiency.

2. **Machine Learning Intern | Bharat Intern** - *Remote* **Nov 2023 - Dec 2023**

- Designed and deployed Iris Classification and Movie Recommendation models using Python and Scikit-learn**.**
- Enhanced model performance by 12% through cross-validation and hyperparameter tuning**.**
- Implemented data preprocessing, training, and evaluation pipelines for deployment-ready ML systems.

3. **Coordinator | Indian Society for Technical Education, JITS**

- Led 5+ technical sessions and job-readiness programs**,** improving student participation by 40%**.**
- Supported students in placement preparation and skill development**,** enhancing overall readiness for professional opportunities.

TECHNICAL SKILLS

Languages:	Python, Java
Frontend Technologies:	HTML
Databases:	MySQL
Frameworks & Tools:	Scikit-learn, Pandas, NumPy ,Matplotlib ,Git
Core Competencies:	Machine Learning, Problem Solving ,EDA

PROJECTS

Project 1: SMOTE-Enhanced Machine Learning for Liver Disease Prediction

Technologies: Python, Gradient Boosting, Pandas, NumPy, Scikit-learn, Matplotlib

- Built a model to detect liver disease early, helping doctors identify high-risk patients.
- Applied **SMOTE** to handle imbalanced datasets, improving fairness and recall.
- Achieved **89% recall**, reducing manual analysis and improving screening efficiency.

Project 2: Forward Privacy in IoT Healthcare Systems

Technologies: Searchable Encryption, Forward Privacy, Verifiability, IoT, ML

- Developed a secure IoT healthcare system ensuring forward privacy of patient data.
- Automated encryption, verifiable access, and anomaly detection for safer monitoring.
- Strengthened real-time health data security while improving operational efficiency.

CERTIFICATIONS

- Python for Data Science – NPTEL
- Udemy – Python Bootcamp from Zero to Hero , Git