SANDHYA PIDISHETTY

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PROFESSIONAL SUMMARY

AI/ML Engineer (Entry-Level) with strong foundation in Python, Machine Learning, Data Analysis, and Model Development. Experienced in building end-to-end ML pipelines including data preprocessing, feature engineering, model training, evaluation, and optimization using Scikit-learn and NumPy. Interested in developing scalable AI solutions for real-world problems.

EDUCATION

B.Tech in Computer Science, Sumathi Reddy Institute Of Technology for Women, Warangal 2023-27(Expected)
CGPA: 8.2/10
Intermediate (MPC), TS MODEL JR COLLEGE, TELANGANA 2021-2023
Percentage: 92

SKILLS

Programming:	Python, Java, C, C++
Machine Learning:	Supervised Learning, Unsupervised Learning, Classification, Regression, Model Evaluation
Deep Learning:	Neural Networks, CNN, TensorFlow (Learning), Keras (Learning)
Data Science:	EDA, Data Cleaning, Data Visualization, Feature Scaling, SMOTE, Statistical Analysis
Libraries/Frameworks:	Scikit-learn, NumPy, Pandas, Matplotlib
Tools:	Jupyter Notebook, Google Colab, Git, GitHub
Core CS:	DSA, OOP, DBMS, OS, Computer Networks

EXPERIENCE

Full Stack Development Intern — Cognifyz Technologies
- Built a full-stack web application using Node.js and Express with backend routing and API integration.
- Tested APIs using Postman and improved request-response handling.
- Created REST API endpoints and handled data processing.
- Collaborated with frontend components to integrate APIs and ensure smooth data flow.

PROJECTS

Resume Screening System using NLP — Python, NLP, Scikit-learn, NLTK, TF-IDF
- Designed an NLP-based resume screening system improving screening efficiency by approximately 60%.
- Applied text preprocessing and feature extraction to improve analysis accuracy by around 30%.
- Utilized TF-IDF and cosine similarity to generate candidate-job match scores with 85% consistency.
- Automated skill extraction and missing-skill detection, reducing manual screening effort by nearly 50%.

UPI Fraud Detection Using Machine Learning — Python, Scikit-learn, Pandas, NumPy, SMOTE
- Developed an end-to-end ML pipeline for UPI fraud detection with preprocessing and feature extraction.
- Trained Random Forest and Logistic Regression models, achieving approximately 92% accuracy.
- Leveraged SMOTE and feature scaling to improve fraud recall by nearly 30%.
- Engineered behavioral and temporal features to reduce false positives by around 20%.
- Evaluated models using Precision, Recall, F1-score, and Confusion Matrix metrics.

CERTIFICATIONS & ACHIEVEMENTS

- IBM SkillsBuild – Use Generative AI for Software Development
- Cisco Networking Academy – Introduction to Modern AI
- HackerRank – Java (Basics)
- Team Lead – Smart Autonomous Agricultural Weeding Robot Simulation (Academic Project)
- Student Member – IEEE, participated in technical workshops and webinars