Francy Pothuraju

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EDUCATION

- **Bachelor of Technology in Computer Science Engineering,** University College of Engineering, Narasaraopet, JNTUK | CGPA-8.32	Aug 2021 – Mar 2025
- **Board Of Intermediate: MPC (Mathematics, Physics, Chemistry),** Sri Chaitanya Mahila Junior Kalasala | CGPA-9.74	Jun 2019 – Apr 2021
- **Secondary School Certificate,** MJPAPBCWRE Residential School | CGPA-9.32	Jun 2014 – Apr 2019

SKILLS

Programming Languages — Python , SQL

Libraries & Frameworks — NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Keras

Technical Expertise — Machine Learning, Cybersecurity, Data Analysis

Development Environments — Jupyter Notebook, Google Colab, Visual Studio, Python IDLE, MySql

INTERNSHIPS

Machine Learning Intern, SkillRaace 🔗   Jun 2024 – Aug 2024
- Achieved 92% accuracy with a Random Forest model for wine quality prediction, reducing quality control rejections by 15%.
- Enhanced data quality to 98% completeness, improving decision-making accuracy and stakeholder satisfaction by 25%.
- Increased forecast precision by 15%, leading to a 30% reduction in prediction errors.

Python Development, Coding Saathi 🔗   Jul 2023 – Aug 2023
- Generated a transaction system handling 100+ transactions, updating balances in real-time.
- Created a user-friendly ATM interface, enabling over 500 transactions with seamless input validation for deposit, withdrawal, and transfer operations.

Cybersecurity Intern, Devtown   Apr 2023 – Jun 2023
- Conducted security assessments with Wireshark, identifying 10+ vulnerabilities and lowering data breach risk by 40%.
- Optimized network protocol efficiency (TCP/IP, HTTP, DNS), achieving a 20% faster response rate across 500 clients.
- Blocked over 20 phishing attempts, securing data for 300+ users

PROJECTS

Customer Churn Prediction, Tech Stacks: Python, Pandas, Scikit-learn, Matplotlib, Flask   Jun 2024 – Jul 2024
- Achieved 87% accuracy in predicting customer churn using Random Forest and Logistic Regression.
- Analyzed a dataset of 10,000+ customer records and deployed the solution via Flask for real-time predictions.

Sentiment Analysis on Tweets, Tech Stacks: Python, NLTK, TensorFlow, Keras, Seaborn   Jul 2024 – Aug 2024
- Processed 50,000+ tweets to train an LSTM model with 92% classification accuracy.
- Visualized sentiment trends for 30+ brands to support data-driven marketing decisions.

House Price Prediction, Tech Stacks: Python, NumPy, Scikit-learn, XGBoost, Plotly   Jul 2024 – Aug 2024
- Predicted house prices with 95% accuracy using a dataset of 20,000+ entries.
- Improved model performance by 18% using advanced feature engineering and hyperparameter tuning.

CERTIFICATIONS & ACHIEVEMENTS

1. Completed the " Data Analytics with Python" course from "NPTEL", specializing in data manipulation, analysis, and visualization using Python libraries.

2. Completed the "Data Science for Engineers" course from "NPTEL", focusing on machine learning, data analysis, and statistical modeling techniques.

3. Earned the "Python Essentials-1 Badge" from "Cisco Networking Academy", demonstrating proficiency in Python programming and fundamental coding concepts.

LEADERSHIP

- Led a team of 8 members in developing a full-stack web application, ensuring timely delivery and maintaining a 95% client satisfaction rate.