

Francy Pothuraju

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[LinkedIn](#) | [GitHub](#) | [Hackerrank](#)

Education

B.Tech: Computer Science Engineering, University College of Engineering, JNTUK | CGPA: 8.32 2021–2025
Intermediate: MPC, Sri Chaitanya Mahila Junior Kalasala | CGPA: 97.4 2019–2021

Skills

Languages: Python, C++, SQL, HTML, CSS, JavaScript

Libraries & Frameworks: NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Keras, PyTorch, Flask, Streamlit, FastAPI, Next.js

Expertise: Machine Learning, Cybersecurity, Data Analysis

Tools: Jupyter, Colab, VS Code, Git, MySQL, Word, Docker, PostgreSQL

Internships

Machine Learning Intern, SkillRaace

[Link](#) Jun–Aug 2024

- Developed 92% accurate Random Forest model for wine quality prediction, reducing rejections by 15% (Analytical).
- Improved data quality to 98% completeness, increasing decision-making accuracy by 25% (Communication).
- Optimized forecasting, reducing prediction errors by 30% (Drive).

Cybersecurity Intern, Devtown

[Link](#) Apr–Jun 2023

- Detected 10+ vulnerabilities using Wireshark, lowering data breach risk by 40% (Analytical).
- Directed network protocol optimization, improving response speed by 20% for 500 clients (Leadership).
- Prevented 20+ phishing attempts, securing data for 300+ users (Drive).

Projects

Lung Disease Classification

[Link](#) Jul–Aug 2024

Tech: DenseNet, Streamlit, OpenCV, TensorFlow

- Achieved 92% accuracy classifying lung diseases from 100k+ images using DenseNet121 (Analytical).
- Deployed Streamlit app, improving user engagement by 30% (Communication).

Human Activity Recognition

[Link](#) Jun–Jul 2024

Tech: Python, Flask, TensorFlow, OpenCV

- Built 94% accurate CNN model for 15 activities with real-time feedback (Analytical).
- Implemented Flask app for instant recognition, improving usability (Drive).

AI Career Path Recommender

Sep–Oct 2024

Tech: Python, FastAPI, Transformers (BERT), scikit-learn, Next.js, Docker, PostgreSQL

- Built AI career coach app (100+ users) with FastAPI, BERT, and Next.js.
- Achieved 85%+ accuracy in predictions; cut feedback time by 70%.

Certifications

- Data Analytics with Python and Data Science for Engineers - NPTEL [Link](#)
- Python Essentials-1 Badge - Cisco Networking Academy [Link](#)

Leadership

- Managed 8-member team in full-stack web app development, achieving 95% client satisfaction (Leadership).