Francy Pothuraju

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🎓 EDUCATION

- **Bachelor of Technology in Computer Science Engineering,**   Aug 2021 – Mar 2025
University College of Engineering, Narasaraopet, JNTUK | CGPA-8.32

- **Board Of Intermediate: MPC (Mathematics, Physics, Chemistry),**   Jun 2019 – Apr 2021
Sri Chaitanya Mahila Junior Kalasala | CGPA-9.74

- **Secondary School Certificate,** *MJPAPBCWRE Residential School | CGPA-9.32*   Jun 2014 – Apr 2019

🧠 SKILLS

Programming Languages — Python , C++, SQL, HTML ,CSS, JavaScript(Basics)

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

Technical Expertise — Machine Learning, Cybersecurity, Data Analysis

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

💼 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.

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 **20+ phishing attempts**, securing data for **300+ users.**

📁 PROJECTS

Lung Disease classification by Lung Tissue Densities, *Tech Stacks: DenseNet121,*   Jul 2024 – Aug 2024
Streamlit, OpenCV, Python, TensorFlow, Keras, NumPy, Pandas
- Achieved **92% accuracy** using a **DenseNet121 (CNN) model** in **TensorFlow/Keras** to classify **lung diseases** from over **1 lakh medical images**.
- Deployed **via Streamlit**, creating an interactive web application for real-time **image uploads** and **disease classification**, improving user engagement by 30%.

Human Activity Recognition (HAR),   Jun 2024 – Jul 2024
Tech Stack: Python, Flask, TensorFlow, Keras, OpenCV, pyttsx3, scikit-learn.
- Achieved **94% accuracy** with a **MobileNetV2-based CNN** and **TensorFlow** to classify **15 activities**, integrating **webcam prediction** with **voice feedback**.
- Deployed **via Flask** and **HTML/CSS/JS**, enabling **image uploads** or **live video** for **instant activity recognition**.

Sentiment Analysis on Tweets,   Jul 2024 – Aug 2024
Tech Stacks: Python, NLTK, TensorFlow, Keras, Seaborn
- 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.

📑 CERTIFICATIONS & ACHIEVEMENTS

Data Analytics with Python-NPTEL — Completed Data Analytics with Python focusing on data manipulation, analysis, and visualization using Python.

Data Science for Engineers-NPTEL — Completed Data Science for Engineers specializing in machine learning, statistical modeling, and data analysis.

Python Essentials-1 Badge -Cisco Networking Academy — Earned "Python Essentials-1 Badge , demonstrating proficiency in Python programming and core 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**.