Francy Pothuraju

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EDUCATION

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

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

SKILLS

Programming Languages
- Python , C++, SQL, HTML ,CSS, JavaScript.

Libraries & Frameworks
NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, Keras, PyTorch, Flask, Streamlit, Node.js, Fast API, API Integration

Technical Expertise
- Machine Learning, Cybersecurity, Data Analysis.

Development Environments
- Jupyter, Colab, VS COde, Python IDLE, MySql, Pycharm, Spyder, Git, Docker, PostgreSQl, Word, Linux.

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%.

Cybersecurity Intern, *Devtown* Apr 2023 – Jun 2023
- Developed a Python-based vulnerability assessment tool integrating Nmap and NVD API, automating network scanning and CVE identification, generating detailed JSON and text reports for 50+ vulnerabilities in lab environments.
- Enhanced tool reliability on Windows by implementing direct subprocess execution of Nmap, ensuring seamless integration and consistent performance across diverse environments.

PROJECTS

Lung Disease classification by Lung Tissue Densities, *Tech Stacks*: Dec 2024 – Mar 2025
DenseNet121, Streamlit, OpenCV, Python, TensorFlow, Keras, NumPy, Pandas
- Reached 92% accuracy with 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%.

AI Career Path Recommender, Jul 2024 – Aug 2024
Python, FastAPI, Transformers (BERT), scikit-learn, Next.js, Docker, PostgreSQL
- Developed AI career coach app for 100+ users with FastAPI, BERT, and Next.js.
- Achieved 85%+ accuracy in predictions; reduced feedback time by 70%.

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

CERTIFICATIONS & ACHIEVEMENTS

Cyber Security Industrial Training Program-Devtown

Data Analytics with Python & Data Science for ENgineers-NPTEL

Python Essentials-1 Badge -Cisco Networking Academy

LEADERSHIP

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