

Pyatlo Thanusree

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🌐 github.com/thanusree-123

PROFILE

B.Tech candidate in Computer Science and Engineering (Cybersecurity) with expertise in malware analysis, and network security. Proficient in Burp Suite, Wireshark, Nmap, and secure coding practices. Skilled in Python, C++, C, Haskell, with experience in AI/ML-driven threat detection, vulnerability assessment, and forensic analysis.

EDUCATION

B.Tech in Computer Science and Engineering (Specialization: Cybersecurity) <i>Amrita Vishwa Vidyapeetham</i> CGPA: 8.6.	2022 – 2026 Chennai, India
B.Tech in Artificial Intelligence and Machine Learning(Minor) <i>Amrita Vishwa Vidyapeetham</i> CGPA : 8.6	2022 – 2026 Chennai, india
Higher Secondary Education (Class 12) <i>Sri Bhavishya Junior College</i> Percentage: 97%.	2020 – 2022 Vijayawada, India

SKILLS

Programming Languages Python, C++, C,Java,Haskell	Tools Burp Suite, Wireshark, Nmap, Metasploit,Sqlmap,EtterCap Google Colab, Jupyter Notebook
Web Development HTML, CSS, Java Script,ReactJS	Soft Skills Teamwork & Collaboration, and Emotional Intelligence
Database MySQL,sqlite	

PROJECTS

Ransomware Detection 📄 <i>RNN, DNN,GRU,CNN, XGBoost, Autoencoder, LightGBM,python,Flask,ReactJS</i> <ul style="list-style-type: none">Achieved 99.95% accuracy using DNN and 99.93% accuracy with GRU for ransomware detection using system behavior analysis.Developed a Flask backend and React frontend for real-time classification of ransomware from JSON logs.Utilized deep learning models (RNN, GRU, DNN, CNN, Autoencoder, TabNet) with CIC MalMem 2022 dataset and Stratified K-Fold Cross-Validation for robustness and scalability.	Nov 2024
Skin Cancer Classification and Detection 📄 <i>EfficientNet, ResNet18, ResNet34, SqueezeNet, MobileNet,python,Flask,ReactJS</i> <ul style="list-style-type: none">Achieved 94% accuracy using EfficientNet for classifying skin lesions into seven categories with the HAM10000 dataset.Developed a web application with a React frontend and Flask backend for real-time skin cancer classification from user-uploaded images.Applied deep learning techniques including EfficientNet, ResNet18, ResNet34, SqueezeNet, and MobileNet, optimizing model performance through data augmentation and stratified validation.	Nov 2024
Bank Website (Frontend) 📄 <i>HTML,CSS</i> <ul style="list-style-type: none">Designed a bank website frontend using HTML, CSS, featuring a clean and professional layout.Ensured responsive and user-friendly design with intuitive navigation for better accessibility.	Oct 2023
E-commerce Website 📄 <i>Django, SQLite3, HTML, CSS, JavaScript, Bootstrap, PayPal API, Django Authentication</i> <ul style="list-style-type: none">Develops a fully functional e-commerce platform with product browsing, cart management, checkout, and secure user authentication.	Sep 2023

- Enhances user experience with order history, payment integration, search functionality, and responsive UI for seamless shopping.
- Face Recognition**

Face Recognition Java, OpenCV, Haar Cascades, JavaFX (for UI), Webcam Capture API

 - Detects and counts the number of faces in alive video frame using OpenCV's Haar Cascade classifier.
 - Provides real-time face detection with a user-friendly Java-based interface for seamless interaction.
- Mar 2024

CERTIFICATES

- Udemy sql bootcamp certificate 
- Acmegrade internship certificate 

VOLUNTEER EXPERIENCE

College tech fest | Tantrotsav'24
volunteer
Volunteered at **Tantrotsav** for an event riddle realm under **Fact club**