

Pyatlo Thanusree

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🔗 github.com/thanusree-123

PROFILE

Versatile Software Developer with expertise in full-stack development, cybersecurity, and AI-driven applications. Proficient in Python, Java, C++, and Haskell, with hands-on experience in building secure, scalable, and performance-optimized applications. Strong background in secure coding practices and AI-driven software solutions.

EDUCATION

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

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** ⓘ Nov 2024
RNN, DNN,GRU,CNN, XGBoost, Autoencoder, LightGBM,python,Flask,ReactJS
 - 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.
- Skin Cancer Classification and Detection** ⓘ Nov 2024
EfficientNet, ResNet18, ResNet34, SqueezeNet, MobileNet,python,Flask,ReactJS
 - 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.
- Bank Website (Frontend)** ⓘ Oct 2023
HTML,CSS
 - 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.
- E-commerce Website** ⓘ Sep 2023
Django, SQLite3, HTML, CSS, JavaScript, Bootstrap, PayPal API, Django Authentication
 - Develops a fully functional e-commerce platform with product browsing, cart management, checkout, and secure user authentication.

- 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**