

# Rambabu Palla

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## Education

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- Maharaj Vijayram Gajpathi Raj College of Engineering** Dec 2021 - Apr 2024
- B.Tech in Computer Science and Engineering
- Andhra Polytechnic College** Jun 2018 - Sep 2021
- Diploma in Computer Engineering

## Projects

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### Malware Intrusion Detection System

Developed a system to detect malicious files using machine learning algorithms like KNN, SVM, Random Forest, and XGBoost. Optimized detection accuracy through feature engineering and visualized results for insights.

- Designed a malware detection system to enhance computer security, achieving **an accuracy of over 90%** in identifying malicious files.
- Implemented and compared machine learning algorithms such as KNN, SVM, Random Forest, and XGBoost using **a dataset of 10,000+ samples**.
- Visualized results using **Matplotlib** and **Seaborn** to present insights into detection patterns and efficiency.
- Tools and Technologies Used: Google Colab, Python

### CAM-ONLINE

Created an e-commerce website for camera sales with responsive design, secure database integration, and search-filter functionality, ensuring seamless user experience across devices.

- Built an e-commerce website that allows users to purchase cameras, handling **up to 500+ product listings** with secure database integration.
- Built using responsive web design principles, ensuring compatibility across **90% + of user devices** based on modern browser standards.
- Integrated a search and filter feature, improving user navigation and reducing search time by **30%**.
- Tools and Technologies Used: Sublime Text, HTML, CSS, JavaScript, PHP, SQL

## Experience

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**SCALE AI INTERN(USA)**, Remotasks Jan 2024 – Feb 2024

Assisted in five AI projects by curating and validating 2,000+ data instances, optimizing model performance, and refining AI workflows to improve accuracy.

- Contributed to **5 AI projects** by providing and validating over **2,000 instances** of training data, improving model accuracy and reliability.
- Optimized data collection and preprocessing pipelines, reducing processing time by **15%**.
- Implemented and fine-tuned machine learning models, enhancing performance metrics by **10% on average**.

## Certifications

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Cloud Computing - NPTEL  
Leadership and Team Effectiveness - NPTEL  
Introduction to Networks - Cisco  
Web Designing - Silicon

## Technical Skills

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**Languages:** Java, Python, SQL

**Technologies:** HTML, CSS, JavaScript, React

**OS and Developer Tools:** Windows, Sublime Text, Visual Studio Code, Git, GitHub

**Coursework:** Operating System, Object-Oriented Programming, Data Structures and Algorithms, DBMS