Raj kumar guthala

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EDUCATION

andhra loyola institute of engineering and technology India
mechanical *2019-2023*

EXPERIENCES

octazen — Machine Learning Engineer intern May 2022 Jul 2022
India

- Developed a machine learning model prototype for a financial services client, improving fraudulent transaction detection rates by 10-15%.
- Collaborated on an NLP project for a healthcare client, enhancing early-stage patient diagnosis accuracy by 5%
- Optimized a machine learning pipeline for a retail client, streamlining the recommendation engine and increasing targeted sales by 10%.
- Contributed to the development of an NLP algorithm, leading to better accuracy in patient diagnosis models.
- Improved inventory forecasting and recommendation systems for a retail client, boosting targeted sales by 10%.

Andhra Pradesh Technology Services -APTS (Cert- In Empanelled) — Security Analyst Intern April 20
India

- Effectively utilized tools such as Burp Suite for web application security testing, network scanning, and penetration testing.
- Honed skills in vulnerability assessment, web application penetration testing, and network penetration testing, identifying weaknesses and potential entry points in web applications and network infrastructure.
- Demonstrated expertise in threat analysis, incident response, and implementing security best practices to ensure a robust security posture for the organization.
- Scanned web servers for potential security risks and vulnerabilities
- Diverse skill set and in-depth knowledge of security tools position me as a valuable asset in cybersecurity.

PROJECTS

Advanced Network Scanner Using Nmap | link

- The advanced network scanner leverages the Nmap scripting engine to perform comprehensive network scans and assessments.
- Utilizes Nmap's extensive library of scripts and custom scripts for in-depth analysis of networked devices and services.
- Supports various scanning techniques, including host discovery, port scanning, service enumeration, and vulnerability detection.
- Aims to provide users with an advanced, customizable network scanning solution to enhance overall security posture

imgcrypt | link

- A CLI that encrypts and decrypts png, jpg, jpeg images to a gibberish image and provides you the key to unlock it later so that you have the complete control of your images.

User-Authentication-System-with-NodeJs | *NodeJs* link

- Offers Authentication services with Signup/Register and Login/Logout APIs
- Employs multiple layers of authorization and authentication for heightened security
- Utilizes custom-made expirable tokens, encrypted and decrypted via crypto with a secret key for token-based authentication

ACHIEVEMENT

big basket bug bounty

- successfully got a big basket bug bounty on their website

Certified Network Security Practitioner (CNSP)

Certified AppSec Practitioner (CAP)

Practical Ethical Hacking (TCM Security)

Android Penetration Testing

TECHNICAL SKILLS

Cybersecurity Tools: kali linux, sqlmap ,nmap ,burpsuite, metasploit, nessus, nikto ,wireshark
Cybersecurity skills: Network Security Operating Systems Vulnerability Assessment Penetration, Testing, Vulnerability, Assessment Reporting & Documentation
programming skills : HTML & CSS, Software Logic, ,SQL, Python ,Java, JavaScript ,React js, AngularJS, Machine Learning ,C#, .NET,