SATYAM ARJARIYA

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EDUCATION

Master of Computer Applications (MCA)   2018 – 2022
Maharaja Agrasen Himalayan Garhwal University (MAHGU)

Bachelor of Computer Applications (BCA)   2015 – 2018
Kalinga University Raipur

PROFESSIONAL EXPERIENCE

AttackBox   04/2024 – 09/2024
Cybersecurity Intern 🔗   Ahemdabad, India

- Assisted in conducting initial security scans and assessments for web and mobile applications under the supervision of senior consultants, using gray box and black box testing techniques.

- Observed and learned from the security assessment process, including identifying and documenting potential vulnerabilities.

- Participated in server configuration reviews (Windows/Linux) to learn how to identify common security misconfigurations and recommend basic fixes.Helped create and maintain basic documentation for security findings and reports, gaining familiarity with report-writing standards in the cybersecurity industry.

- Conducted comprehensive vulnerability assessments and penetration testing for web applications, mobile applications, networks, and IT infrastructure.

- Stayed current with emerging cybersecurity tools and trends, contributing innovative strategies to strengthen organizational security.

- Recommending security enhancements to management or senior IT staff.

- Conducting cybersecurity awareness training.

- Providing all kind of security support to clients.

- API penetration testing.

- Analyzing security breaches to identify the root cause.

Certified Python Developer   08/2023 – 12/2023
Intern Python Developer   Bangalore, India

- Collaborated with senior developers to design and develop Python-based applications, ensuring code efficiency and scalability.

- Assisted in debugging and troubleshooting Python scripts, utilizing tools like PyCharm and Jupyter for seamless code management.

- Developed automated testing scripts to ensure the reliability and accuracy of key modules within projects.

- Worked with libraries like Pandas, NumPy, and Matplotlib for data manipulation and visualization tasks.

- Contributed to optimizing existing codebases by implementing performance enhancements and refactoring code for improved readability.

- Gained hands-on experience in integrating Python applications with databases (e.g. SQLite, PostgreSQL) and REST APIs.

- Delivered project documentation, including technical specifications and user guides, to support future development and maintenance efforts.

Rubixe
Intern Data Science

02/2022 – 08/2022
Bangalore, India

- Data science consultants assist in gathering, analyzing, and interpreting data sets to drive product development optimization and improvement.Projects during my internship period completed by me: Flight price prediction, Blood Donation Prediction, Fifa20, Portuguese Bank.

- Accurately Predicting Flight Prices for Enhanced Revenue Optimization: multidimensional factors, including airline carriers, departure and arrival airports, departure time.

- The Hyper-parameter tuned Random Forest model achieved an impressive testing accuracy of 86.34%, indicating its ability to make accurate predictions.

SKILLS

Security
Web Application Security, Network Security, Mobile Application Security Testing (Android/IOS), API Penetration Testing, Thick Client, Source Code Review, OWASP TOP 10, NIST Framework, Cryptography, OS Hardening.

Endpoint Protection/ Secure Configuration Review
Configuration reviews for Linux and Windows Servers, Web Application Firewalls and Endpoints.

Tools
Burp Suite, Metasploit, OWASP ZAP Proxy, Nessus, Sqlmap, Wireshark, Nmap, Frida, MobSF, Virtualbox, Vmware, Docker

Operating System
Kali Linux, Ubuntu, Parrot OS, Cent OS, Red Hat, Windows, macOS

Programming
C, C++, java, python, Bash

Web Developement
HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, DBMS, WordPress, ReactJS, NodeJS, Django, Amazon Web Services, GitHub

Soft Skills
Extremely Trustworthy, Curious, Quick learner, Detail-oriented

NOTABLE FINDINGS

Lenovo Hall of Fame 2024   2024
Recognized in the Lenovo Press Hall of Fame (HOF) for responsible disclosure and contribution to improving the security of their platform

XSS in La Pinoz Pizza Web Application   2024
Identified and reported multiple cross-site scripting (XSS) vulnerabilities on the La Pinoz Pizza web application.

LTIMindtree   2024
Identified and reported an SPF (Sender Policy Framework) misconfiguration on the www.ltimindtree.com 🔗 domain, which exposed the domain to email spoofing and phishing attacks.

Found that the SPF record exceeded the void DNS lookup limit, leading to potential deliverability issues and increased vulnerability to email-based attacks.

Provided a detailed vulnerability report, including steps to reproduce the issue and remediation recommendations to improve the domain's email security and deliverability.