

GOWTHAM S

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PROFESSIONAL SUMMARY

Cyber security professional skilled in penetration testing, web security, and the vulnerability assessments (VAPT), and testing evaluations. Experienced in conducting real-time security evaluations utilizing tools such as Burp Suite, OWASP ZAP, and Kali Linux. Possesses a deep knowledge of network protocols, encryption methods, and security best practices, dedicated to reducing risks and ensuring strong defense against threats.

TECHNICAL SKILLS

- Programming languages include Python and Java.
- Knowledge of Burp Suite, OWASP ZAP, and Kali Linux are among the security tools and technologies
- Web security concepts include the OWASP Top 10 web vulnerabilities and the fundamentals of penetration testing.
- Understanding TCP/IP, HTTP/HTTPS, and the principles of network security is essential for networking.
- Development practices include vulnerability detection and security testing.
- Basic knowledge of Git and GitHub for version control

EDUCATION

Bachelor of Engineering in Computer Science and Engineering
Erode Sengunthar Engineering College, Autonomous | Anna University
CGPA: 8.31 (up to 6th semester) | May 2025

KEY COMPETENCIES

- Penetration Testing and Web Vulnerability Assessment
- Understanding of Web Security Protocols (SSL/TLS, HTTPS)
- Risk Identification and Mitigation Strategies
- Security Best Practices for Web Applications and Networks
- Responsive Web Design and Development

PROJECTS

Real-Time Vehicle Tracking System using IoT

- Engineered an IoT-based tracking system to monitor real-time vehicle locations and reduce waiting times.
- Integrated IoT devices with a cloud platform to relay location and passenger count data efficiently.
- Improved commuter satisfaction by 30% through real-time updates.
- Enables historical route analysis and reporting.

Online Paper Correction System using AI

- Developed an online paper correction system to automate the evaluation of student papers and provide instant feedback.
- Optimized the user experience with a seamless interface for students to upload papers and view corrected results.
- Enhanced grading efficiency by 40%, reducing manual intervention and providing quicker feedback to students.

INTERNSHIPS

Cyber Security Intern

AICL Training. | July 15, 2023 – July 30, 2023

- Assisted in conducting penetration tests and vulnerability assessments on web applications.
- Gained hands-on experience with security tools like Burp Suite, OWASP ZAP, and Kali Linux.
- Participated in the creation of security reports and recommendations for improving web application security.

WORKSHOPS

- IoT using Raspberry Pi | IIT Madras Research Park | July 29, 2023
- Embedded Systems with IoT | Erode Sengunthar Engineering College | August 01, 2023

CERTIFICATIONS

- First Prize in Project Submission | Excel Engineering College | February 29, 2024 - Recognized for developing a Real-Time Vehicle Tracking System using IoT.
- Design of IoT-based Embedded Applications | ESEC Incubation Centre | July-August 2023
- EHE & NDE | EC-Council | 2023
- Certificated AppSec Partitioner | SecOps Groups | 2023

ACHIEVEMENT

- Hall of Fame Recognition: Recognized by several firms for responsibly revealing important security vulnerabilities.
- Bug Bounty Milestones: Earned financial bounties for uncovering and revealing vulnerabilities, facilitating enhanced cybersecurity to companies.
- Hack The Box/TryHackMe, solving advanced penetration testing challenges and CTF competitions.

DECLARATION

I hereby certify that the information provided above is accurate to the best of my knowledge.



SIGNATURE