

Go Charan Kilaru

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Skills

- Programming & Development: Python | C++ | x86 | JS | Node | React | Rust | Go lang | Embedded C
- Cloud & Infrastructure: AWS | Azure | Cloud Computing | CI/CD | Docker | Container Security | DevSecOps | Microservices | Distributed Systems
- Cybersecurity & Proficiencies: Linux | Nessus | Active Directory | Ghidra | metasploit | network-security | networking | application security | VAPT | GCP-security | API-penetration test | Intrusion Detection/Prevention Systems | Security Information and Event Management | Incident Response | Threat Intelligence | Digital Forensics | Identity and Access Management | Secure Code Review | Mobile Application Security.

Experience

Research Assistant, Software Development

University of Delaware

Newark, DE, USA

12/2023 - Present

- Developing and refining software and firmware for Electric Vehicle (EV) technologies, focusing on Vehicle 2 Grid (V2G) systems to enable EVs to charge from and supply energy back to the grid.
- Collaborating with cross-functional teams to design and optimize V2G firmware solutions, ensuring seamless integration and energy efficiency.
- Analyzing performance data to enhance system functionality and user experience.

Security Analyst

CyberXplore PVT LTD

Rampur, UP, India

01/2023 - 07/2023

- Provided Information Security Services, IT solutions, and training tailored to high security risks and complex cybersecurity needs.
- Conducted penetration testing of client websites and researched new security threats.
- Developed tools for enhancing security measures and modified computer security files to incorporate new software.

Cyber and strategic risk, Intern

Deloitte

Mumbai, Mh, India

06/2022 - 01/2023

- Client Engagement: Collaborated with multiple clients from the banking sector, understanding their unique security needs and tailoring solutions to address potential vulnerabilities.
- Penetration Testing: Conducted comprehensive penetration tests on client infrastructures, identifying and reporting critical vulnerabilities. Utilized a range of tools and methodologies to simulate real-world attack scenarios.
- Vulnerability Assessment: Performed in-depth **Vulnerability Assessment and Penetration Testing (VAPT)** for diverse clients. Identified, evaluated, and prioritized vulnerabilities in client systems.

Education

Masters of Science

University of Delaware

Newark, DE, USA

08/2023 - 06/2025

- Major in Cybersecurity - 4.0 GPA

Projects

- **Spotify clone:** Developed a replica of the famous music app Spotify using technologies like NextJS, Tailwind CSS, Spotify API, and Next-Auth. [SpotifyClone](#).
- **Proof of Concepts of exploits:** Crafted exploits for specific CVEs, showcasing deep understanding and expertise in vulnerability exploitation. Link to GitHub Repository.
- **Phish-detect:** Developed a tool to detect phishing websites using machine learning. The project aims to enhance online security by identifying and flagging potential phishing threats. [Phish-detect](#)

Certifications

- **Professional Cloud Security Engineer** - Google Cloud, 2022
- **Certified Red Team Professional** - eLearnSecurity, 2022
- **eLearnSecurity Junior Penetration Tester** - eLearnSecurity, 2021
- **Certified Ethical Hacker - Master** - EC-Council, 2021

Others

- CTF platforms: Achieved a position among the **top 150 in Hack The Box**, showcasing advanced cybersecurity skills and problem-solving capabilities and **top 1% on TryHackMe**.
- **BUG Bounty:** Successfully **reported over 50+ vulnerabilities** to various companies, including notable names like Oppo and keeper security, contributing to a safer digital ecosystem.
- Global Recognition: Secured the **10th position globally** in Capture the Flag competitions on CTFtime, demonstrating expertise in cybersecurity challenges and real-world scenarios.