Sri Charan Pedhiti

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WORK EXPERIENCE

Accenture **Bangalore, India**
Software Engineer *October 2022 – December 2023*

- Elevated bot performance by implementing targeted enhancements within the Automation Anywhere framework; achieved a remarkable boost in transaction capacity from 4 transactions per minute to 8 through comprehensive troubleshooting methods
- Facilitated productive meetings that promoted collaboration among team members; findings improved three largest barriers to workflow efficiency, leading to an overall boost in productivity across the RPA department
- Enhanced overall efficiency of deployed bots through systematic debugging processes, achieving faster processing times and increasing successful transaction rates from 85% to over 95%
- Analyzed and deployed over 10 S4HANA upgrade bots, enhancing system performance and achieving a reduction in deployment time by two weeks per project through effective code testing and monitoring

Virtually Testing Foundation **California, USA**
Cybersecurity Intern *January 2021 - December 2021*

- Implemented refined methodologies while collaborating globally during penetration tests; derived key outcomes related directly from the assessment process contributing toward a more robust framework of website securities within six months
- Composed an efficient home laboratory setup featuring three distinct virtual environments to simulate real-world scenarios; gained practical skills in managing Linux systems alongside mastering Windows shell commands
- Engaged in 10+ Capture the Flag (CTF) competitions, honing penetration testing skills and documenting strategic approaches through a personal blog that attracted over 500 readers seeking cybersecurity insights

CERTIFICATIONS AND LICENCES

• CompTIA Security+ ce	• eJPTv2	• Jr Penetration Tester – TryHackMe
• Infosys (Certified Software Programmer)	• SC-900	

PROJECT

Cybersecurity Home Lab Project: Offensive and Defensive Security Operations **Charlotte, NC**
Project *2024*

- Resolved five major vulnerabilities through systematic exploitation methods via penetration tests conducted on isolated machines; findings contributed directly to improved compliance with internal cybersecurity policies implemented company-wide following assessments
- Monitored and analyzed attack behaviors by collecting and interpreting system logs using Splunk; configured advanced correlations for real-time threat detection, resulting in a 30% faster incident response time
- Migrated key components of cyber defense tools into an efficient cloud environment via AWS, resulting in rapid access speeds for team members across departments who relied on these systems in daily operation activities

Wireless Signal Analysis and Exploitation with Flipper Zero **Bangalore, India**
Project *2023*

- Initiated a project utilizing Flipper Zero to capture, analyze, and exploit wireless signals (RFID, NFC, Sub-GHz, Infrared) for security research
- Executed comprehensive vulnerability assessments on over 15 IoT devices and automotive systems by intercepting, cloning, and manipulating wireless communications to identify critical security weaknesses for enhancement strategies
- Developed 15 custom attack simulations targeting wireless signals, documenting security vulnerabilities in detail; proposed remediation plans that addressed the three most critical risks to enhance overall system integrity

EDUCATION

University of North Carolina, Charlotte **Charlotte, NC**
Masters, Cyber Security *Graduation Date: May 2025*

KEY ACHIEVEMENTS

• Achieved state-level rank in Mathematics Olympiad, recognized as a merit holder in Accenture Hall of Fame for exceptional training performance, received 25+ customer appreciations for outstanding satisfaction, and ranked in the Top 1% on TryHackMe [0XD] for advanced ethical hacking skills

SKILLS & INTERESTS

Skills: Metasploit | Nmap | Burp Suite | Wireshark | Autopsy | FTK Imager | Hashcat | Hydra | Kali Linux | Aircrack-ng | SQL injection | XSS | Data Structures | C | C++ | Java | Python | Kali Tools | RPA- (Automation Anywhere, Blue Prism)