ARJUN BRAR

878-670-9848 | arjun@outlook.ie

EXPERIENCE

Carnegie Mellon University
Pittsburgh, PA

Research Programmer · *June 2022 – Present*
- Developed tooling to help collect data measurements at large scale
- Developed a blockchain-based credential management solution
- Developed challenges for classes to help students learn complex topics such as blockchain and web exploits

Intern - Research Assistant · *Feb 2020 – May 2021*
- Created challenges for picoCTF platform based on Mobile and IoT security
- Worked with technologies such as Modbus, MQTT and Java Native Interface to create challenges.

Ethical Intruder
Pittsburgh, PA

Senior Cybersecurity Specialist · *Aug 2021 – May 2022*
- Worked with clients to test mobile, web and network assets to identify security issues
- Lead scope negotiation, testing and reporting to help clients meet business and compliance requirements
- Helped clients build out secure development life cycle processes to make security an integral part of daily work
- Wrote custom exploits with a focus on anti-virus evasion
- Helped automate routine processes to reduce time taken to generate reports by over 50%.

Deloitte Southeast Asia
Singapore, SG

Senior Associate, Associate · *Nov 2017 – August 2019*
- Managed and worked on over 100 projects with 5 clients spanning financial services industry, government contractors, and educational institutions
- Technical team lead for Fortune 50 Bank
- Tested mobile, web, API, and thick applications for security
- Led scope negotiation, testing, and reporting on the readiness of mobile and web applications for retail, customer, and internal use
- Reported in compliance to NIST 800-53, OWASP, FISMA, CVSSv3, and NIST Risk Management Frameworks

EDUCATION

Carnegie Mellon University
Pittsburgh, PA, USA

Masters of Science in Information Technology - Information Security (MSIT-IS) · *GPA: 3.93/4.0*

Singapore University of Technology and Design
Singapore, SG

Bachelors of Engineering in Information Systems Technology and Design · *Track GPA: 4.0/5.0*

PUBLICATIONS

Automatic Generation of Web Censorship Probe Lists: Jenny Tang, Leo Alvarez, **Arjun Brar**, Nguyen Phong Hoang, Nicolas Christin; Proceedings on Privacy Enhancing Technologies, Volume 2024

AWARDS AND RECOGNITIONS

Competitions: Winner BSides Pittsburgh CTF 2023, 2022, 2021. Winner BLAQ_0 Hackathon 2018
Certifications: OSCP – OSCP Number available on request, CyFIR – Cyber Forensics and Incident Response
Other Awards: Best Cinematography winner at LA Shorts Awards and NYC Indie Film Festival