

TANISHQ RUPAAL

tanq16.github.io

trupaal@gmail.com

+1 404 319 1433

Education

- **MS in Cybersecurity** | Georgia Institute of Technology
Aug 2019 - May 2021 (Expected)
CGPA (up to Spring 2020) - 3.85 / 4.0
GTA for CS 6035/4235 (Intro to Information Security)
- **BE (Hons.) Computer Science** | BITS Pilani
Aug 2015 - Jun 2019
CGPA - 9.51 / 10.0

Experience

- **Security Engineer Intern** | Google LLC
May 2020 - Present
 - Worked on OSS-Fuzz and Fuzzbench projects as a part of the Fuzzing team.
 - Successfully integrated Manul Fuzzer into Google Fuzzbench project.
 - Written initial fuzz targets for various open-source projects.
- **Graduate Teaching Assistant** | Georgia Tech
Jan 2020 - Present
 - Supervised course logistics and prepared examinations.
 - Graded assignments and held QnA sessions for students.
- **Tech Intern** | Paramount Computer Systems FZ LLC
Aug 2018 - Jan 2019
 - Developed a Secure File Upload Web Server
 - Used by clients to upload logs securely to the firm's server.
 - Developed Automated Vulnerability Assessment (VA) Bot
 - Automated VA for internal networks using **nessus**, **mass-scan**, **nmap** and scripts in **python** and **bash**.
- **Intern** | Paramount Computer Systems FZ LLC
Jun 2017-Aug 2017
 - Performed Vulnerability Assessment in the internal network of the office space.
 - Delivered sessions on Ransomware awareness to healthcare practitioners.



Projects

- **Analysis of Top 1 Million Domains** | March 2020
Research project to analyse Majestic, Alexa, and Tranco top 1 million lists applied to a set of security metrics as well as their popularity.
- **SubDextract - Sub domain enumeration** | March 2020
 - Fast, reliable tool in Python, useful even in local-only network environments.
 - Uses many queries such as CT logs, SAN, DNS, etc. to gather subdomains.
- **Cookie-Less secure Login** | Sept 2018
 - Constructed login page without cookies using php and js constructs.
 - Secure against SQLi, token/cookie based attacks as well as replay attacks.
- **EncCat - Encrypted TCP socket Communication** | May 2018
 - Developed a communications and large file sharing tool on python.
 - Emulated netcat, using a self-devised encryption scheme.
- **Secure Voting on Blockchain (Ethereum Platform)** | Apr 2018
Developed a voting system on a web interface using node.js in a team of 2.



Accomplishments

- **Dubai Police CTF Competition - Top 15** | Feb 2019
- **Hack in The Box (HiTB) Conference 2018, Dubai** | Oct 2018
 - Secured Rank 1 in CTF (Professional) competition under team "PCR_RT"
- **IEEE Xtreme 11.0 : Programming competition** | Oct 2017
 - Secured Rank 1 in UAE, Rank 415 globally, under team "Optimise Prime"
- **Research Proposal** | Dubai Electronic Security Center (DESC)
 - Network Topology with self healing threat identification and correction.
- **Part of team Medikate in NYU Abu Dhabi Hackathon 2019**



Core Skills

- Proficient in **C++, Python** and **bash**. Others - C, java, web (html, js, css, php)
- Experience in **Kali Linux** and command over **Linux** systems.
- Fundamental knowledge of **computer networks** and **penetration-testing**.
- **Capture The Flag** competitions and Competitive coding.



Extra-Curricular and Hobbies

- **President & Founder of ACM HeX (The Hacker's Exclusive)**, an SIG at BITS Pilani Dubai Campus | (Dec 2017 - May 2019)
- **Student Executive at Careers Division**, BITS Pilani Dubai Campus
- **Drummer (Phantom Asylum)** - Rockscool Drums Grade 4 (92%)
- **Photography and Digital Concept Art**

