Apurv Singh Gautam

apurv.gautam@gatech.edu

LinkedIn
Portfolio

EXPERIENCE

Georgia Institute of Technology — Atlanta, US
Graduate Teaching Assistant — *Aug 2019 - Present*
- **Course**: CS 6250-O01 Computer Networks
- **Work**: Managing projects, grading, and doubts solving

Volon Cyber Security Pvt. Ltd., Pune — Pune, India
Security Research Intern — *May 2018 - May 2019*
- **Area**: Threat Intelligence - Obtaining Intelligence from hack forums and dump shops
- **Work**: Scraping dark web forum data and dump shops, making data collect system for threat indicators and automating the collection process.

I-Medita, Pune — Pune, India
Trainee — *Feb 2018 - May 2018*
- **Area**: Cisco Networking
- **Learning**: Training for Cisco Certified Networking Associate (CCNA) with 90% practical approach.

Lucideus Cyber Space, Delhi — Delhi, India
Security Trainee — *Dec 2014 and Dec 2016*
- **Area**: Security Basics, Networking, Pentesting
- **Learning**: Networking Basics, Digital Footprinting, Email Security, System Security, Wireless Security, WAPT, and Network Pentesting.

EDUCATION

Georgia Institute of Technology — Atlanta, US
Master of Science in Cybesecurity (M.S.) — *2019 - Expected 2021*

Symbiosis Institute of Technology — Pune, India
Bachelor of Technology in Information Tehcnology (B.TECH); CGPA: 8.63 — *2015 - 2019*

The Aryan International School — Varanasi, India
Intermediate, Central Board of Secondary Education (CBSE); Score: 93.8% — *2014 - 2015*

St. Joseph's Convent School — Varanasi, India
High School, Indian Certificate of Secondary Education (ICSE); Score: 87% — *2012 - 2013*

PUBLICATIONS

- Kamat, Pooja, and **Apurv Singh Gautam**. "Recent Trends in the Era of Cybercrime and the Measures to Control Them." In Handbook of e-Business Security, pp. 243-258. Auerbach Publications, 2018. First Edition by CRC Press - Taylor & Francis Group

PROJECTS

- **Hacker Forum Exploit and Classification for Proactive Cyber Threat Intelligence**: Research project that utilizes hacker forum data for proactive cyber threat intelligence. This project employs state-of-the-art machine learning and deep learning approach to automatically classify hacker forum data into predefined categories. The results from this research shows that among all the models, deep learning model RNN GRU gives the best classification results with 99.025% accuracy and 96.56% precision. Project Guide - Prof. Pooja Kamat. [Research Project]

- **Anonymous Traffic Network**: A research paper describing the Onion routing concept, its working, and security issues. [Paper]

- **Question Mark**: Python web application that aims to serve as a platform where people can ask questions, share valuable knowledge and devise reliable solutions by answering the queries. The idea is to bring the knowledge from peoples head to a far-reaching platform where they can share and others can learn. Flask Python Framework is used. [Project]

- **Family Relation**: PHP web application that is private, easy-to-use where you can connect with family, share photos, messages, documents and more. CodeIgniter PHP Framework is used. [Project]
- **Unnati (SPEP)**: Skilled People Emplyment Portal is a responsive Java web application that provides employment to skilled village people. HTML, CSS, JavaScript and Bootstrap is used for front end. Java Servlets and JSP is used for back end. [Project]
- **Database Encryption**: C++ application that accepts employee information and keeps it in encrypted form to ensure safety of information. File Handling concepts and ASCII encryption concepts are used. [Project]
- **UserCred Hack**: Combination of several python application that grabs user credentials. Contains clipboard hijacking, keylogger and chrome password hijacking. Pyperclip, win32crypt, pythoncomm & pyHook modules are used. [Project]
- **Reverse HTTP Shell**: Python application that is used to get connection of client to the server using HTTP protocol. BaseHTTPServer module is used. [Project]
- **Reverse TCP Shell**: Ppython application that is used to get connection of client to the server using TCP protocol. Socket module is used. [Project]

ACHIEVEMENTS

- **Best Outgoing Student Award - Symbiosis Institute of Technology, Pune, India**: Awarded as the Best Outgoing Student from B.Tech Information Technology 2015-19
- **DRDO Cyber Challenge - DRDO, Governemnt of India**: Received Certificate of Achievement for securing 45th rank out of 1489 participants in DRDO CTF challenge. [Link]
- **Excellence Award - Symbiosis Institute of Technology, Pune, India**: Received Academic Excellence Award for securing third position in second year of B.Tech in Information Technology branch.
- **PICT CTF Challenge - PICT, Pune, India**: Won the CTF challenge conducted in PICT college.
- **Excellence Award - The Aryan International School, Varanasi, India**: Received Academic Excellence Award for securing highest percentage in Science(Math) stream in CBSE Intermediate.

CERTIFICATIONS

- **CompTIA Security+ 501 by CompTIA**: License RHVTCJGEZLB11630 (Feb 2019 - Feb 2022) [Link]
- **Computer Forensics by RITx**: License d30d8c0584244987a0d06fc904a4ca99 (July 2017) [Link]
- **Cybersecurity Fundamentals by RITx**: License c37e4ae5dcc044e8a340d4b27829c1d5 (July 2017) [Link]
- **Lucideus Certified Ethical Hacker Grade 2 by Lucideus, New Delhi**: License LCEH2/16102 (Dec 2016) [Link]
- **Lucideus Certified Cyber Security Analyst Grade 1 by Lucideus, New Delhi**: License LCCSA2614 (Jan 2015) [Link]

EXTRA-CURRICULAR

- Conducted Git & Virtualization Buddy Session for third year Computer Science students of SIT.
- Conducted NS3(Network Simulator) Buddy Session for third year Information Technology students of SIT.
- Conducted a Cyber Privacy Seminar at MITCOE Pune on behalf on Logout - Privacy Seminar. [Link]
- Delivered a talk on "Bitcoin Forensics" at Null Pune chapter meet. [Link]
- Delivered a talk on "OSINT" at Null Pune chapter meet. [Link]
- Delivered a talk on "Intorduction to VAPT" at Null Pune chapter meet. [Link]
- Delivered a small talk on Security News at Null Pune chapter meet. [Link]
- Conducted a one day workshop on Cyber Security Awareness at Symbiosis Institute of Technology, Pune, India.
- Conducted a two day workshop on Cyber Security Awareness at The Aryan International School, Varanasi, India.