

# Abisheka Pitumpe

PH.D. STUDENT · STONY BROOK UNIVERSITY

Department of Computer Science, Stony Brook University, Stony Brook, NY

☎ +1 631-352-7810 | ✉ ca.pitumpe@gmail.com | 🌐 <https://www.linkedin.com/in/abisheka-pitumpe>

## Research Interests

---

My research focuses on the security challenges of the web and the Internet of Things(IoT). I help develop and innovate technologies to enhance data privacy while contributing to strengthening the security of information systems globally.

## Education

---

### Stony Brook University

PH.D, COMPUTER SCIENCE

Stony Brook, New York

Aug 2023 - Present

### Sri Lanka Institute of Information Technology

BSC. IN INFORMATION TECHNOLOGY SPECIALIZING IN CYBERSECURITY

GPA: 3.82/4.0

Malabe, Sri Lanka

Feb 2018 - Jan 2022

## Research Experience

---

### Stony Brook University

ADVISOR: PROF. AMIR RAHMATI - ETHOS LAB

- My research focuses on developing methodologies to detect and track cryptocurrency scam websites

Stony Brook, NY

Aug. 2023 - Present

### Sri Lanka Institute of Information Technology

ADVISOR: PROF. JANAKA WIJEKON

- Thesis: "Securing Official Documents in a BYOD Environment"
- My research focused on developing a mechanism to secure organizational documents containing confidential information in a Bring Your Own Device(BYOD) environment

Malabe, Sri Lanka

2018 - 2022

## Publications

---

[1] "An Automated Solution For Securing Confidential Documents in a BYOD Environment"

**Abisheka Pitumpe**, M.A.F Azra, Poobalan A.V, Janaka Wijekoon, Kavinga Yapa, Mifraz Murthaja

International Conference on Advancements in Computing (ICAC 2021) - **Best Paper Award - Security Track**

## Awards & Grants

---

2024 **Student Grant**, VehicleSec'24 - (NDSS 2024)

2023 **Student Grant**, iMentor Workshop - (ACM CCS 2023)

2018 -2022 **7 Deans List Awards** , Sri Lanka Institute of Information Technology

## Professional Service

---

2023 **Reviewer**, International Conference on Advancements in Computing

Sri Lanka

## Industry Experience

---

2019-2020 **Cybersecurity Intern**, SCORE Lab - University of Colombo, School of Computing  
Conduct Vulnerability Assessment, and Penetration Testing on bugzero.io which is a bug-bounty platform.

*Sri Lanka*

2022 **Academic Consultant - Cybersecurity**, Metana  
Help develop Metana's Cybersecurity Bootcamp curriculum. Metana offers online bootcamps for cybersecurity, blockchain and AI/ML.

## Teaching Experience

---

### STONY BROOK UNIVERSITY

- **Software Security (CSE316)**, Teaching Assistant (Fall'23)
- **Computer Networks (CSE310)**, Teaching Assistant (Spring'24)

### CURTIN UNIVERSITY - COLOMBO BRANCH

- **Computer Systems (COMP2000)**, Assistant Lecturer Assistant (Fall'22)
- **Cyber Crime (ISEC3004)**, Assistant Lecturer Assistant (Fall'22)
- **Computing Topics (COMP2005)**, Assistant Lecturer Assistant (Fall'22)
- **Cybersecurity Concepts (ISEC1000)**, Assistant Lecturer Assistant (Fall'22)

### SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

- **Applied Information Assurance (IE3022)**, Teaching Assistant (2022)
- **Discrete Mathematics(IE2082)**, Teaching Assistant (2022)
- **Network Security(IE3032)**, Teaching Assistant (2022)
- **Information Security Policy and Management(IE3072)**, Teaching Assistant (2022)

## Relevant Skills

---

**Programming** : Python, C/C++,Java

**Utilities** : gdb, Git,  $\text{\LaTeX}$ , Autopsy, Burpsuite, Wireshark, Selenium

**Systems** : Linux,Windows

**Networks** : Cisco and Cisco IOS-related router configuration

**Information Security Risk Assessment Frameworks** : ISO 9001:2015, ISO 27005, NIST SP 800-30, OCTAVE-Allegro, ISO 31000

**Server Configuration** : Windows Server 2003, 2008, and 2012 for Active Directory