



## EDUCATION

**Clemson University**, Clemson, SC, USA

January 2021 - December 2022

Master of Science in Computer Science

GPA: 4.00 /4.00

**GITAM University**, Hyderabad, India

May 2019

Bachelor of Technology in Computer Science and Engineering

GPA: 3.34 /4.00

## TECHNICAL SKILLS & TOOLS

Java, Python, C, C++, Data Structures and Algorithms, HTML, AWS, Reverse engineering of PE and non-PE files, Malware analysis - Static and dynamic analysis. *Tools:* Wireshark, IDA Pro, Ollydbg, BinText, Process Explorer, Microsoft Network Monitor, CFF Explorer, ResourceHacker, Regshot, Procmon, Scapy.

## WORK EXPERIENCE/INTERNSHIPS

### Graduate Research Assistant

Greenville, SC

Clemson University International Center for Automotive Research (CU-ICAR)

August 2021 - Present

- Working as a developer for 2 Application projects

### Cyber Security Analyst

Hyderabad, India

Mindtree Limited

June 2019- November 2020

- Performed Static and Dynamic analysis of customer affected files. Includes both PE and non-PE files and wrote Hash-based signatures and generic signatures that includes Hex-based and String-based signatures
- Collaborated with management, departments, and customers to satisfy end-user requirements and specifications that involved the latest Malware campaigns
- Trained Interns on everyday tasks and organized monthly training sessions

### Malware Research Intern

Mindtree Limited

January-May 2019

- Tagged files into malware categories based on Static and Dynamic analysis
- Clustered 1000's of samples into sets based on their properties using YARA rules.
- Checked and removed false-positives on detected files

### Research and Development Intern

Toyaja Inc

May-June 2018

- Developed the front end of a website using HTML

### Research and Development Intern

Oracle Financial Services Software Ltd

May 2017

- Developed the front end of a website using HTML, CSS and contributed my share of assistance in server-side programming using Java.

## PROJECTS

### P2PR2P - Android Application

April 2021 - August 2021

Electrical and Computer Engineering department, Clemson University

- Worked under Dr. Richard Brooks (Chief of technology for Danaides.org)
- Integrated Camera into the android application using Kotlin
- Worked on the User-Interface of the application

### Pedestrian Detection

March-April 2021

Course Project

Clemson University

- Detected pedestrians on road using vision-based techniques
- Used HOG descriptors in openCV, python for detection and non-maxima suppression for false-positive removal

### Discrete wavelet transform

February 2021

Course Project

Clemson University

- Implemented the Discrete wavelet transform using Haar Wavelets in C Programming Language
- This project relies on an unrolled recursive implementation of the Discrete Wavelet Transform

### Face detection and tracking

March 2021

Course Project

Clemson University

- Implemented face detection in OpenCV
- Detected the complete facial features, i.e., nose, mouth, and left and right eye Areas Of Interest