

# Sai Charitha Atluri

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## EDUCATIONAL BACKGROUND

<b>Master's in Cybersecurity (GPA: 3.9)</b> <b>University of Delaware</b> ( <b>Relevant Coursework:</b> System Hardening and Protection (Best Practices, OWASP Top 10 and CWE top 25), Introduction to Cybersecurity, Applied Cryptography, Digital Forensics, Introduction to Machine Learning, Computer Networks, Advanced Cybersecurity, Pen Test and Reverse Engineering, Machine Learning use in Network Security)	<b>February 2020 - December 2021</b> <b>Newark, Delaware</b>
<b>Bachelor's in Computer Science Engineering</b> <b>Andhra University</b>	<b>October 2013 - July 2017</b> <b>Visakhapatnam, India</b>

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## WORK EXPERIENCE

<b>University of Delaware- IT Client Support and Services</b> <b>Security Support Assistant</b> <ul style="list-style-type: none"><li>Monitoring and maintaining the computer systems and networks</li><li>Analysis of phishing emails and providing security risk awareness to the staff</li><li>Troubleshooting system and network problems, diagnosing, and solving hardware or software issues</li><li>Installing and configuring computer hardware, software, systems, networks, printers, and scanners</li></ul>	<b>Newark, Delaware</b> <b>August 2021 - December 2021</b>
<b>Millennium Software Solutions</b> <b>.NET Developer</b> <ul style="list-style-type: none"><li>Designed, developed, and wrote functional specifications, design specifications, test plans and scripts, source code, and engineering documents for a Helpdesk Application in ASP.NET</li><li>Tested, identified, and resolved software issues for the same application in Visual Studio</li><li>Worked and implemented Web API's to fetch/update student data from/to SQL Database</li></ul>	<b>Visakhapatnam, India</b> <b>September 2017 - December 2018</b>
<b>Visakhapatnam Port Trust</b> <b>Software Development Intern</b> <ul style="list-style-type: none"><li>Designed and developed a web application for the Port using ASP.Net</li><li>Tested the network vulnerability by using a simulation model (Web Application Vulnerability and Error Scanner) for port's entire network structure using Cisco packet tracer</li><li>Incorporated various functionalities in the application like posting queries, authentication, feedback, and session management</li></ul>	<b>Visakhapatnam, India</b> <b>April 2016 - October 2016</b>

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## ACADEMIC PROJECTS

<b>Black Hat Challenge</b> <ul style="list-style-type: none"><li>Decrypted complex ciphertexts to meaningful plaintexts using different historical algorithms like Hill Cipher, Vigenère Cipher, Transposition Cipher, Playfair Cipher and Substitution Cipher in Python</li><li>Encrypted and Decrypted images using different modes in Advanced Encryption Standard (AES)</li></ul>	<b>University of Delaware (Applied Cryptography)</b>	<b>February 2021</b>
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**Penetration Testing                  University of Delaware (Pen Testing and Reverse Engineering)                  August 2020**

- Performed vulnerability assessment and penetration testing on a virtual machine to secure the system
- Applied Reverse Engineering to simple binaries using radare2 to determine correct passwords

**Detecting Fake Trends in Twitter                  University of Delaware (Search and Data Mining)                  February 2020**

- Analyzed the tweets using Twitter datasets and Twitter API to find fake or forced twitter trends
- Sourced the data from Twitter API and performed the analysis using Python
- Stored and cleaned the data in Excel and MySQL database

**Wine Data Analysis                                  University of Delaware (Machine Learning)                                  March 2021**

- Developed a predictive model to predict the wine data quality using different Machine Learning algorithms like Decision Tree and Logistic Regression

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## TECHNICAL SKILLS

Environments:                  Linux, Windows, MacOS

Programming Skills:        C, C++, ASP.NET, HTML, CSS, SQL, Mainframe, Python

Tools:                          Wireshark, Radare2, OpenVAS, Nessus, Metasploit, Forensic Toolkit, OS Forensics, Nmap  
                                      , Burp Suite, FTK Imager, Splunk, Autopsy, SNMP, OWASP, VMWare