

Dhairya Surana

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https://dhairyasurana.github.io/Personal_Website/

SKILLS

Programming languages: Python, C/C++, Java, JavaScript, HTML/CSS, SQL

Cyber/Networking: Authentication, IP/TCP, Wireshark, Kali, Cryptography

Frameworks: p5.js, Bootstrap, Flask, Django, Qt, React

Operating Systems: Linux, Windows

Other: Data Structures, Algorithms, AWS Cloud, Rest API, Software Design

EXPERIENCE

- Oct 2020 – Nov 2020 **Cyber-Athlete (Silver Bracket), *National Cyber League***
NCL is a cyber CTF competition based on the CompTIA Security+ and the NIST NICE framework.
Individual Game: Competed against 6,011 participants to achieve the national rank of 652.
Team Game: Competed against 957 teams to achieve the national rank of 138.
- Sep 2020 – Dec 2020 **Scrum Master, *Virginia Tech***
Architected a PyQt Hospital Management System to assist hospitals with low doctor-to-patient ratios.
Integrated app with MySQL database hosted on AWS RDS.
Implemented medical chatbot to simulate bedside manner.
- Oct 2019 - Dec 2019 **AWS/Web App Developer, *Virginia Tech***
Researched and Launched AWS S3 bucket to host a web application.
Built a web application using p5.js and deployed to AWS S3.
<https://thepatriotvirus.s3.amazonaws.com/index.html>
- June 2019 - Aug 2019 **Software Engineer Intern, *Microsoft***
Developed a Django app to improve the efficiency of the geodata verification process by 20%.
Collaborated with the product owner via Agile to create a Javascript prototype under 4 sprints.
Utilized SQLite to query user accounts information for data verification.
- Sep 2018 – Nov 2018 **Cybersecurity Analyst, *Virginia Tech Cyber***
Researched network scanning detection based on pattern of syn-ack flag ratio.
Automated detection process through the pattern using Python.