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Saugat Ghimire

My Website
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Objective : Seeking a challenging and rewarding opportunity in the cybersecurity field where I can leverage my passion and expertise in CS to make a positive impact on the security of individuals and organizations.

EDUCATION

High School Diploma   **2016 - 2020**
Lee Magnet High School

Bachelor of Computer Science; Concentration in Cybersecurity   **2020 - 2024 (expected)**
Louisiana State University (GPA: 3.6)

Relevant Coursework: Computer Networks, Cybersecurity, Data Structures, OO Design, Operating Systems

WORK EXPERIENCE

Research Assistant   **05/22 - current**
LSU   *Baton Rouge,LA*

- Worked with molecular dynamic simulations to visualize the movement of atoms and molecules.
- Developed Python programs to compute periodic boundary distances between atoms and generate histograms for analysis from XDATCAR files

PROJECTS

The Phish Initiative   **2022**
- Aimed to help system administrators test the susceptibility of their employees to phishing scams.
- Responsible for the implementation / maintenance of the server database, email API, also developed the front-end website using React.js, allowing for a interface for system administrators to interact with.

Monitoring Tool   **2021**
- Created a monitoring tool in Python that shows machine status for specific points in time to help improve machine health and performance.

Password Strength Checker   **2021**
- Developed a password strength checking script written in Bash that allows users to input their password and receive a score based on its strength.

Brella   **2017**
- Collaborated with a team to develop a disaster relief app that helps individuals find homes or places to stay after a natural disaster. Was runner up for the congressional app challenge award.
- My role was to work on the frontend portion of the app using JavaScript, developing user-friendly interfaces and ensuring a seamless user experience.

SKILLS

Programming	Python, Java, C, SQL, C++, Bash, JavaScript, HTML
Pen-testing	Hydra, Nmap, Metasploit, Wireshark
Networking	HTTP, DNS, SMB, FTP, TCP/IP, SMB, SSH
Certifications	Comp-TIA Security+ (pursuing)