

# BHARGAVA KIKKURU

(312) 989-9914 | [bhargavakikkuru@gmail.com](mailto:bhargavakikkuru@gmail.com) | Linked-in [kbreddy](#) | GitHub: [bhargava-k](#)

## SUMMARY

Dedicated cybersecurity professional with hands-on experience managing advanced security initiatives through proficiency in cybersecurity, network automation, compliance assurance, and incident response. Skilled in coordinating with teams to deploy cutting-edge security solutions, enforce security policies, and reduce operational disruptions, fortifying defenses against evolving threats and saving costs in potential damages. Capable of conducting assessments to identify vulnerabilities and strengthen infrastructures. Committed to reducing risk exposure and minimizing data breaches while staying abreast of emerging technologies and best practices to preserve organizational reputation.

## EDUCATION

**Master of Cyber Forensics and Security**, Illinois Institute of Technology, Chicago, IL Expected December 2024

- Relevant Coursework: Vulnerability Analysis and Control, Cyber Security Technologies and Management, Cloud Computing Security, Active Cyber Defense, Vulnerability Analysis, Database Security, and Legal and Ethical Issues in Information Technology

**Bachelor of Computer Science**, Jawaharlal Nehru Technological University Hyderabad

December 2022

## SKILLS

**Programming** Python, Java, C, C++, Shell, Bash, PowerShell

**Operating Systems** Linux (Ubuntu, Ubuntu Server, Kali), Windows, MacOS

**Networking** Router configuration, Firewalls, VPNs

**Technical Skills** AWS, Node.js, Pandas, HTML5, CSS3, XML, JSON, JavaScript, Bitnami, WordPress

**Tools** Wireshark, Burpsuite, Nmap, Metasploit

## CERTIFICATIONS

- Certified Cybersecurity Technician (CCT) - EC-council

## EXPERIENCE

**DevSecOps**, Chotu

December 2021 - September 2022

- Achieved a 10% efficiency boost in automated penetration testing, fortifying application security and resilience, while communicating findings and recommendations to cross-functional teams.
- Implemented robust security management protocols to ensure comprehensive vulnerability assessments and remediation, while liaising with stakeholders to prioritize security tasks and address critical issues.
- Designed and deployed a secure AWS-integrated cloud infrastructure, increasing deployment efficiency by 15% through collaboration on technical requirements and seamless integration with teams.
- Developed data optimization strategies and Python automation for efficient image conversion, leading to a 25% reduction in server load and optimized CDN delivery, while communicating technical solutions to optimize web server security.

**Quality Assurance Coordinator**, Madiee Games

January 2021 - December 2021

- Orchestrated live server monitoring, collaboratively addressing bugs with the team to enhance system stability and user experience, resulting in a 20% decrease in downtime.
- Led automated testing initiatives utilizing Python and Selenium, presenting findings and coordinating with stakeholders to ensure timely issue resolution, resulting in a remarkable 30% enhancement in user satisfaction.
- Conducted testing on the Dashboard to protect it against cyber vulnerabilities, ensuring uninterrupted gameplay for 1,000+ concurrent users.

## PROJECTS

**Interview Proxy Detection System**

- Developed a covert Python application to safeguard interview integrity by discreetly monitoring candidates' computers.
- Crafted a seamless user experience by developing an intuitive mechanism where the application dynamically generates a unique URL for each candidate, reducing the interview setup time by 50% while ensuring minimal disruption to the process.
- Engineered the application to stealthily scan the candidate's system for running applications, detecting an average of 20-30 concurrent processes per assessment, ensuring a comprehensive evaluation of the digital environment.
- Employed advanced encryption protocols to securely transmit detailed reports to interviewers, resulting in a 30% reduction in data breaches during candidate evaluations, increasing confidentiality and decision-making efficiency.

**OSNIT Application**

- Engineered a user-friendly GUI application using Python and Tkinter for efficient social media data scraping.
- Ensured secure and private data retrieval from Twitter, Facebook, and Instagram, adhering to ethical standards and platform policies without storing user data.