

# KushBorikar

+1-408-460-0243 | kush.borikar@gmail.com | San Jose, CA | [linkedin.com/in/kush-borikar](https://www.linkedin.com/in/kush-borikar) | [kushb98.github.io](https://github.com/kushb98)

Aspiring Cybersecurity Engineer | Proficient in Incident Response and Proactive Defense. Seeking Entry-Level Opportunity to Apply Skills and Drive Impact in the Industry.

## WORK EXPERIENCE

### **Teaching Assistant – Computer Networks (New Jersey Institute of Technology) – Present**

Newark, NJ

- Assisted instructor in delivering 13+ hands-on networking labs to over 100 students covering virtual networking, VPNs, cloud provisioning, security, and programming. Guided 50+ lab sessions on configuring network services like SSH, OpenVPN, port forwarding, nmap scanning, and Wireshark traffic analysis.
- Monitored and maintained a lab environment comprising 20+ virtual machines and networking equipment, ensuring seamless operations throughout the semester to facilitate hands-on exercises across networking concepts and tools.

### **Digital Platform Engineer - FirstCry.com - March 2021 – May 2022**

Pune, India

- Analyzed metrics and numerical data for over 50 campaigns across daily, weekly, and monthly intervals using in-house dashboards and Google Analytics. Insights led to 20% increased campaign effectiveness, 15% improved platform engagement, and 25% enhanced cross-platform visibility.
- Generated comprehensive reports and dashboards summarizing campaign performance in collaboration with stakeholders, automating processes for 30% reduced manual effort. Demonstrated proficiency in data visualization tools to effectively communicate complex analytical findings to cross-functional teams, ensuring alignment.

### **Web Development Intern - V3 Data Solutions | January 2020 – June 2020**

Nagpur, India

- Spearheaded a team of 4 to develop a web-based portal, reducing application processing time by 40% through rigorous software testing, ensuring system reliability and scalability.
- Crafted and deployed front-end user interface using HTML, CSS, JavaScript & Integrated the application with a SQL Server database to facilitate secure data storage and retrieval.

## SKILLS

**Security Operations:** Threat Detection & Hunting, Incident Response & Mitigation, Security Monitoring & Log Analysis, SIEM Tools (Splunk, QRADAR) | **Network & Systems Security:** Network Protocols (TCP/IP), Endpoint Security (Xcitium OpenEDR), Cloud Security Practices, Penetration Testing (Nmap, Metasploit) | **Security Analytics & Compliance:** Data Analysis (Statistical Analysis), Security Standards (NIST, HIPAA, PCI, ISO 27001), Virtualization (Docker), Vulnerability Scanning (Nessus) | **Programming & Scripting:** Python, Bash, PowerShell, Web Technologies (HTML, CSS, JavaScript), SQL, XML, YAML | **Tools & Utilities:** Security Tools (Burp Suite, Wireshark, LimaCharlie), IDE & Office Suites (Visual Studio Code, Microsoft Office).

## PROJECTS

### **Endpoint Security with Xcitium OpenEDR -**

- Deployed and configured Xcitium OpenEDR, an open-source Endpoint Detection and Response (EDR) system across endpoints, enabling malware protection, cloud-based monitoring, patch management and real-time security analytics.
- Demonstrated proficiency in modern endpoint security practices by conducting malware scans, managing patches, and utilizing Xcitium's analytics capabilities for threat mitigation and enhancing cybersecurity posture.

### **SOC Analyst Lab: Threat Mitigation and Detection through LimaCharlie -**

- Orchestrated a SOC Analyst lab environment with Linux and Windows VMs, deploying Sliver C2 payloads for controlled adversarial simulations. Implemented comprehensive threat detection rules in LimaCharlie EDR, including a blocking rule.
- Validated the effectiveness of detection and response mechanisms by simulating adversarial actions, demonstrating practical expertise in cybersecurity defense through threat mitigation and analysis using LimaCharlie EDR.

### **Mobile Application Security Analysis –**

- Conducted in-depth static analysis audits on 22 Android applications using MobileAudit, identifying critical vulnerabilities like insecure functions, hardcoded data, and unchecked clipboard access. Engineered a custom MobileAudit Docker container, streamlining workflows and extracting crucial data points.
- Quantified security lapses in audited apps, emphasizing need for improved developer practices. Generated comprehensive reports assessing security posture of popular Android apps based on empirical evidence from the research study.

## EDUCATION

### **Master of Science in Cybersecurity & Privacy (GPA: 3.9) | New Jersey Institute of Technology | May 2024**

Newark, NJ

- Relevant Coursework: Network Protocols and Security | Cryptography | Security and Privacy in Computer Systems | Computer Networking | Penetration Testing | Web Development (Python) | Smartphone Security | Cloud Computing

## CERTIFICATIONS

- CompTIA Security+ Certified
- IBM Cybersecurity Analyst Professional Certificate
- (ISC)<sup>2</sup> Certified in Cybersecurity