BRIDGET NJOKI NGUGI

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Professional summary

I am a recent **Computer Science graduate** with a strong foundation in **cybersecurity, data analysis, and software development**. Passionate about securing digital systems, analyzing data for insights, and building efficient solutions. Experienced in **penetration testing, cloud security, data visualization, and automation**. Eager to apply technical and analytical skills in an **IT internship or entry-level role** while continuously learning and contributing to innovative projects.

Education

Bachelor of Science in Computer science   *Graduation December*
Dedan Kimathi University of Technology, Nyeri, Kenya   *2024*
Second Class Upper Division

Technical skills

- **Penetration Testing** – Web & Network pentesting, OWASP Top 10, exploit development

- **Data Analysis & Visualization:** Python (Pandas, NumPy), SQL, Excel, Power BI, Tableau.

- **Software Development:** Python, Java, C, JavaScript, Django (web development), API integration.

- **Secure Coding & Application Security** – SAST/DAST, secure coding best practices

- **Data Analysis & Visualization:** Python (Pandas, NumPy), SQL, Excel, Power BI, Tableau.

- **Software Development:** Python, Java, C, JavaScript, Django (web development), API integration.

- **Cloud Security** – AWS Security (IAM, GuardDuty, WAF, KMS), Azure Security Center, Google Cloud

- **DevSecOps & Security Automation** – Jenkins, GitLab CI/CD, SonarQube, Ansible, container security

- **Programming & Scripting** – Python, Bash, C, JavaScript (for automation & security scripting),Java

- **Security Tools & Technologies** – OSINT tools, Snort, Suricata, HashiCorp Vault

- **Technical Writing & Documentation** – Security reports, compliance documentation, incident reports

Soft Skills

✔ Problem-Solving | ✔ Communication | ✔ Teamwork | ✔ Adaptability | ✔ Attention to Detail | ✔ Time Management

Experience

Data Analyst attache | [Nyeri County referral hospital] | [Sep-Nov 2024]

- Collected, cleaned, and analyzed government data to support decision-making.
- Created interactive dashboards and reports using Excel, Power BI, or Tableau.
- Conducted trend analysis and statistical modeling to identify patterns in county data.
- Automated data collection and processing using Python (Pandas, NumPy) or SQL.
- Collaborated with government departments to visualize key insights and improve efficiency.

Cybersecurity Researcher | Self-Led Learning & Labs | [Ongoing]

- Conducted penetration testing on test environments using Burp Suite, OWASP ZAP, and Nmap.
- Participated in CTF challenges to improve skills in forensics, web exploitation, and reverse engineering.
- Performed log analysis and SIEM investigations using Splunk and ELK Stack.
- Created detailed security reports documenting vulnerabilities and mitigation strategies.

Projects

Symon Orchard Platform (Django, MySQL, Business Management System)

- Developed a **Django-based web application** for Symon Orchard, an agribusiness seeking investment and expansion.
- Implemented **inventory tracking, customer management, and financial reporting** to streamline business operations.
- Integrated **secure authentication and data protection measures** to ensure system security.

Incident Response Simulation *(Cybersecurity Course Project)*

- Simulated a **real-world security breach**, analyzing attack vectors and implementing a mitigation plan.
- Used **Wireshark and Splunk** to investigate suspicious network traffic and detect threats

Automated Security Scanner *(Python, OWASP ZAP, Docker)*

- Built a **Python-based security scanner** that automates vulnerability assessments for web applications.
- Integrated **OWASP ZAP** to detect security flaws and generate vulnerability reports for DevSecOps teams.

Certifications

- Python Crash Course-Coursera
- Cyber Threat Management-Cisco
- CCNA-Cisco
- Introduction to cybersecurity-Cybertalent
- Microsoft ADC Security Engineer- Cyber Shujaa
- Acyberschool secure+
- Web development-Emobilis

References

- Available upon request