MBONU SOMTOCHUKWU

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ABOUT ME

I am an aspiring penetration tester and deep learning engineer passionate about cybersecurity and artificial intelligence. I enjoy working in Linux environments, exploring the power of the terminal, and finding ways to integrate AI into cybersecurity solutions. As a dedicated learner, I am continuously expanding my skill set, currently focusing on backend development while honing my expertise in penetration testing and deep learning.

I thrive in team environments, valuing collaboration and shared problem-solving. My motivation comes from the drive to positively contribute to projects by continuously improving my technical abilities. With a strong foundation in Python, Bash, and machine learning, I am eager to apply my knowledge to real-world security challenges.

RELEVANT WORK EXPERIENCE

GDSC Facilitator

- I lead the Cybersecurity and AI/Data Analysis divisions within the GDSC Bingham University Chapter, conducting workshops on topics such as encryption, blockchain technology, data visualisation and analysis, and introductory machine learning modelling.
- Collaborated with fellow facilitators on group deliverables and cross-divisional projects. Provided instruction on the Kali Linux environment and terminal, covering basic penetration testing methodologies, tool utilisation, and fundamental networking concepts, encompassing Wi-Fi security and advanced encryption techniques.
- Proficient in utilising Hugging Face and Ollama models, including interactions via the Hugging Face API, to develop novel models for addressing practical challenges.
- Additionally, I provide instruction on foundational programming concepts in Python, SQL, and Bash.
- Established vulnerable lab environments using Oracle VirtualBox and leveraged Kali Linux's built-in tools for risk analysis and network monitoring.

AIG Shields Up: Cybersecurity virtual experience program on Forage - March 2025

- I completed a cybersecurity threat analysis simulation for the Cyber Defence Unit, and I am staying updated on CISA publications.
- Researched and understood reported vulnerabilities, showcasing analytical skills in cybersecurity.
- Drafted a clear and concise email to guide teams on vulnerability remediation.
- Utilised Python skills to write a script for ethical hacking, avoiding ransom payments by brute-forcing decryption keys.
- [Certificate](#)

COMMUNITIES

- Team Lead at Google Developer Groups, Bingham University Chapter.

PROJECTS

- **Basic IRIS classification with Logistic regression and SVC -**
  [IRIS-classifier](#)
- **Simple Boston house Prediction -**
  [boston_housing](#)
- **Server app to implement Encryption -**
  [serverClient_socket](#)
- **Electric Vehicles Market Size Analysis -**
  [Vehicle-Market-Analysis](#)
- **General stats for a company's data-**
  [company_stats](#)

CERTIFICATES

CISCO Academy
- CCNA intro to networking - [Certificate](#)
- IT Essential - [Certificate](#)   - 2024 -

EDUCATION

BINGHAM UNIVERSITY , KARU, NASARAWA
Faculty of Computing Sciences, Department of Cyber Security.
GPA: 4.17/ 5.0 ||**Cumulative GPA**: 3.91/ 5.0
Relevant Coursework: Penetration Testing and Machine Learning.

TECHNICAL SKILLS

- **Programming Languages**: Python, Bash, SQL.
- **Linux:** Debian, Ubuntu, Kali Linux.
- **Machine Libraries:** Tensorflow, scikit-learn, Hugging Face, Ollama.
- **Basic NLP with NLTK**
- **Data Analytics**: SQL, Statistics, Microsoft Excel, Streamlit.
- **Additional skills:** Junior penetration testing, Networking, Cyber Security, Data visualisation, Git.
- **Understanding of the Linux kernel and the terminal**

SOFT SKILLS

- Able to think outside the box in a constantly evolving environment
- Able to efficiently multitask while producing the best results in various tasks
- Excellent interpersonal and communication skills, innovative and time-conscious
- Able to work and function as a team leader and a team player