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](https://drive.google.com/file/d/1YUMYJthwL2cYfDnQFdmppNopVIN_veEe/view?usp=sharing)

**COMMUNITIES**



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

**PROJECTS**



* **Basic IRIS classification with Logistic regression and SVC -** [**IRIS-classifier**](https://github.com/juto-shogan/iris_classification)
* **Simple Boston house Prediction -**

[**boston\_housing**](https://github.com/juto-shogan/boston_housing)

* **Server app to implement Encryption -**

[**serverClient\_socket**](https://github.com/juto-shogan/serverClient_socket)

* **Electric Vehicles Market Size Analysis -**

[**Vehicle-Market-Analysis**](https://github.com/juto-shogan/Electric-Vehicle-Market-Analysis)

* **General stats for a company's data-**

[**company\_stats**](https://github.com/juto-shogan/company_stats) - 2024 -

**CERTIFICATES**

**CISCO Academy** 

* CCNA intro to networking - [Certificate](https://drive.google.com/file/d/1EbBQye-mh2ViC0X3D4jz3aXAUGdIXKiN/view?usp=drivesdk)
* IT Essential - [Certificate](https://drive.google.com/file/d/1EiXvEfHzUXO6DOZIElbBK-XRbkgG-C_V/view) - 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