Mikias Berhanu

Email: mikiaszardoz0x00c@outlook.com   [Check out my Github](#)

[Check out my Linkedin](#)   [Check out my Portiflio](#)

🎓 Profile

I am Mekoya Mikias Berhanu, a seasoned cybersecurity professional and Full stack developer, with a Master's degree in Software Engineering, specializing in software security and vulnerability analysis. My professional journey includes valuable experience as a junior cybersecurity engineer and Infrastructure manager at Applus Laboratories, where I actively addressed practical challenges in the field. My research interests span IoT security, web application security, AI model security, and network security. Committed to continuous learning and staying abreast of industry trends, I bring a blend of academic excellence and practical expertise to contribute effectively to the dynamic landscape of cybersecurity.

💼 Work Experience

2019 - 2020   China, Liaoning

BACKEND DEVELOPER
EASTERN LIAONING UNIVERSITY

- Internal Tool automation with python.
- IT Infrastructure Management.
- Software product development.
- Penetration Testing
- IOT Security Evaluation and UAS Security Evaluation

2022 - 2023   China, Shanghai

CYBER-SECURITY ENGINEER
Applus Laboratories LTD.,

- Worked as Backend Developer at Eastern Liaoning University.
- Created a system where students can create account , get the scores, access semester transcript, contact their professor.
- Integrated Full Authentication and Security together with the whole backend .
- Penetration Testing
- Tech stack: PHP, MySQl, Jquery, Ajax, ThinkPhp

🎓 Education

2017 - 2021   China, Liaoning

BSc in Computer Science
EASTERN LIAONING UNIVERSITY

CGPA - 4.17 / 4.5

2021 - 2024   China, Xi'an

Msc in Software Engineering
NORTHWESTERN POLYTECHNICAL UNIVERSITY

GPA 87.2/100

⚗ Skills

TDD, Agile Development, SCRUM, MVC Cloud Computing, Machine Learning, REST API

⚗ Skills

Programming Languages

Javascsript ECMA6+, NodeJS, Python (Primary), PHP, Java

DevOps

AWS, Docker

Database

SQL, Postgresql, Mongo DB, Sqlite

Web Stack

React, Redux, Context, Next JS, Tailwind, fastapi, flask, netlify, render, React Native

Pentesting and Security

WebApp testing, API testing, Network Pentesting, Cloud security

Additional Skills

Machine Learning, Infrastructure Managment, Active Directory

📑 Personal Projects

Predict

https://github.com/mikias21/predict
- Made for prototyping Machine Learning models. .
- Used for making Regression, Classification and Neural Networks.
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- Developed using Python, Flask, Sqlite3, Javascript, sci-kit library, numpy, Pandas

XSSVIS

https://github.com/mikias21/XSSVIS_MAIN
- Deep learning model for detection XSS attacks on web applications.
- By combining the power of computer vision and deep learning model web traffic anomaly detection.
- Python, tensorflow, pandas, numpy

📜 Certificates

2023-09
Red Teaming Learning Path
TryHackMe

2020-12
Python Skill Assessment
HackerRank