MUHAMMAD FIQRI ADAM

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I am a penultimate-year Information Security student skilled in Python, machine learning, Security analytics and digital forensics. Experienced in anomaly detection and forensic tools, with a passion for real-world cybersecurity challenges. Seeking an internship to contribute and grow in cybersecurity and IT operations.

Experience

AUGUST 2023 – PRESENT
ECA Teacher for Robotics/Code Combat | WhizzKidz PTE LTD | Singapore

- Taught Python programming to 15+ students, fostering creative problem-solving and analytical thinking.
- Mentored students in designing interactive Python projects, enhancing programming skills and problem-solving through real-world applications.

MARCH 2018 – MAY 2018
Administrator (Intern) | Brady Engineering **|** Singapore

- Increased customer base by 20% through door-to-door sales campaigns and targeted service promotions.
- Streamlined operations by designing and implementing standardized procedures for onsite workers, reducing operational errors by 30%.
- Boosted customer satisfaction by delivering tailored consultations and precise price quotes.

APRIL 2015 – AUGUST 2015
IT Support (Intern) | UIC Asian Computer Services **|** Singapore

- Reduced deployment time by 25% by optimizing imaging and reinstallation processes.
- Resolved 50+ technical issues and configured network devices, enhancing system reliability.
- Assembled and tested hardware for compatibility and performance.

MARCH 2014 – AUGUST 2014
IT Support (Intern & Part-time) | JK Technology, OCBC Bank **|** Singapore

- Installed and maintained IT equipment across departments, ensuring operational continuity with minimal downtime.
- Conducted secure data migrations, safeguarding sensitive information during transitions.
- Responded to 40+ technical support requests weekly, resolving issues efficiently both remotely and in person.
- Standardized system setups by performing desktop image cloning, reducing configuration inconsistencies.

Skills & Abilities

- **Technical Skills:** Python, Java, JavaScript, C, C#, Windows Shell Script, Linux Shell Script
- **Database Skills:** MySQL, Firebase, Firestore, MongoDB
- **Networking:** Cisco Firewall, Cisco Switches, Cisco Routers
- **Operating Systems:** Windows (11, 10, 7), Ubuntu (14,04-24.04), Kali Linux, Linux
- **Soft Skills:** Team Player, Problem Solving, Communication, Leadership, Time Management, Critical Thinking, Adaptability

- **Certifications:** DSTA BrainHack 2024, Robotic Process Automation (UiPath), Joint ITE – Oracle in Essentials of Java Programming

Education

SEPTEMBER 2022 – PRESENT
Beng (Hons) in Information and Communication Technology (Information Security) | Singapore Institute of Technology **|** Singapore

- **Last Trimester GPA:** 3.50 / 5.00
- **Relevant Coursework:** Digital Forensic, Security Analytics, Network Security, Machine Learning, Malware Analysis and Defense, Operation Security and Incident Management, Mobile Security, Embedded System

MAY 2016 – MARCH 2019
Diploma in Multimedia Information and Communication Technology | Nanyang Polytechnic **|** Singapore

- **GPA:** 3.32 / 4.00
- Specialized in programming, database management, and multimedia technologies

MAY 2014 – MARCH 2016
Higher National ITE Certificate in Information Technology | ITE College East **|** Singapore

- **GPA:** 3.5 / 4.00
- Foundational IT Skills, programming, hardware troubleshooting, and system maintenance

Projects

2024
Facial Detection and Deepfake Analysis| Singapore Institute of Technology, A*STAR **|** Singapore

- Developed a facial recognition system achieving 95.96% accuracy, improving multi-face detection by 87.41%.
- Utilized Python, MTCNN, NumPy, and generative AI tools (RunwayML, Akool) to create deepfake datasets.
- Enhanced preprocessing for robust deepfake detection in video analysis.

2024
NetBot: Network Anomalies Detection| Singapore Institute of Technology **|** Singapore

- Built a machine learning model and chatbot to detect and explain network anomalies (e.g., TCP SYN Floods, DNS Floods) with 90% accuracy.
- Used Python, Isolation Forest, K-means, Gradio, and LangChain with the UNSW-NB15 dataset.

2024
Forensic Secure USB| Singapore Institute of Technology **|** Singapore

- Designed a forensic tool using Raspberry Pi Zero 2 W to automate and secure the chain of custody for digital evidence across Windows and Linux.
- Implemented HID scripting, real-time logging, and encrypted WebSocket Secure transmission for tamper-proof evidence handling.
- Enabled automated host fingerprinting to log system details (e.g., OS, BIOS, MAC address) with 100% traceability.