

MUHAMMAD ABQARI ZULKIFLI

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SUMMARY

Enthusiastic and detail-oriented Computer Science graduate majoring in Cyber Security, seeking an entry-level role in **Cybersecurity**, **Data Analytics**, or **Quality Tester**. Available from **19 September 2025**. Proven ability to develop AI-based security tools and automate QA processes.

EDUCATION

Universiti Utara Malaysia

Bachelor of Computer Science with Honours, Major in Cybersecurity

Aug 2021 – Expected Aug 2025

Sintok, Kedah

EXPERIENCE

Vice President of Education, Toastmasters UUM

Toastmasters UUM

Oct 2024 – March 2025

Sintok, Kedah

- Designed and implemented **personalized educational plans** to support members' progress across Toastmasters' communication and leadership tracks
- Organized and scheduled over **10+ meetings**, maintaining a balanced mix of speeches, evaluations, and leadership opportunities
- Maintained and distributed updated educational resources to improve access and usage

Sergeant at Arms, Toastmasters UUM

Toastmasters UUM

March 2024 – Oct 2024

Sintok, Kedah

- Oversaw all logistical arrangements for club meetings and events, ensuring timely setup and professional meeting environments for over 30 attendees.
- Maintained and managed club assets, including audio-visual equipment and promotional materials, contributing to efficient event execution.
- Collaborated with club officers to coordinate meeting roles and supported event planning, improving overall club operations and member experience.

Secretariat, Entrepreneurship and Leadership Bureau Inasis SME Bank

Inasis SME Bank

Dec 2022 – Oct 2023

Sintok, Kedah

- Supported logistics for **5+ large-scale events** with **50+ attendees**
- Coordinated schedules and resources to ensure on-time delivery of event milestones
- Communicated clearly with attendees, resulting in a **20% increase** in pre-event confirmations

Active Member, UUM IEEE

UUM IEEE

May 2024 – Present

Sintok, Kedah

- Led a hands-on workshop on cryptography during "Intro to CTF," with **20+ participants**
- Contributed to the planning and execution of **3 cybersecurity events**, improving member engagement and outreach

Intern, Quality Engineer, Telekom Malaysia Research and Development

Telekom Malaysia

Mar 2025 – Sep 2025

Cyberjaya, Malaysia

- Contributed to the **Smart City** Project, focusing on Quality Assurance across modules
- Designed and executed **manual and automated tests** using Selenium and Robot Framework
- Filed and tracked **15+ bug reports** and collaborated with developers for timely resolutions
- Helped the team meet **100% of sprint goals** before the start of the next MVP cycle
- Helped the team performing performance testing on **DroneDB** with Swagger, Postman and Jmeter

PROJECTS

PhishGuard | *Python, Machine Learning, Kaggle Datasets*

- Built a phishing URL detection model using **Random Forest**, achieving **92% F1 Score**
- Evaluated models using **AUC**, **Accuracy**, and **F1 Score**; Random Forest outperformed others
- Visualized results using **Tableau** and applied dimensionality reduction to optimize features

PowerCastMY | *Python, Machine Learning, Malaysia Datasets*

- Developed an ML-based **forecasting model** for Malaysia's energy consumption patterns
- Released the project as **open-source** on GitHub to support the research community

QAGenius | *Python, Robot Framework*

- Automated the conversion of **URS to UAT** and then into test scripts using **NLP** and **Robot Framework**
- Implemented a rule-based NLP pipeline to extract testable actions from requirements
- Reduced manual QA effort by **40%** and ensured consistency across generated scripts
- Project link: **QAGenius**

Project Typhon | *Python, JMeter*

- Enabled **natural language-based JMeter test generation**, removing the need for scripting knowledge
- Automated creation of complex performance test plans via dynamic JMX generation
- Improved QA throughput for load testing by up to **30%**

Project Geass | *React 18, Next.js, Node.js, PostgreSQL, TensorFlow, OpenCV, AWS, Docker, OpenDOSM*

- Developing a platform integrating **AI**, **geospatial analysis**, and **real-time market data** for business intelligence
- Utilizes **TensorFlow** and **OpenCV** for AI/image tasks, and **PostgreSQL** for geospatial data
- Leverages **OpenDOSM Malaysia** data for highly accurate and locally relevant mapping insights
- Architected using **React 18**, **Next.js**, **Node.js**, and **Docker on AWS** for cloud-ready deployments
- Targets optimization of location-based decisions for real estate and retail businesses

UI Structure Mapper(Ultima) | *Chrome Extension, JavaScript, CSS, HTML, XPath, Automation*

- Built a Chrome extension for **Quality Engineers** to capture and organize UI element locators using **Ctrl+Click**, without disrupting normal browsing
- Enabled smart element detection with support for **XPath**, **CSS Selectors**, IDs, names, and more
- Implemented a real-time UI tree viewer with **screen-based organization**, element numbering, and export/import capabilities
- Engineered scroll-synchronized overlays using **CSS positioning** for seamless UX even during zooming, resizing, or touch scrolling
- Ideal for **test automation**, documentation, and regression comparison in web-based QA workflows

CTF COMPETITIONS

- **Rawsec CTF (2023)**: Top 10 finalist among 200+ participants
- **PETRONAS Inter-University CTF (2023)**: Ranked in top 60%
- **ASCIS CTF (2024)**: Reached final round; competed with top ASEAN university teams
- **IBOH CTF (2024)**: Represented university in international round

TECHNICAL SKILLS

Tools & Platforms: Kali Linux, Windows CLI, Wireshark, Autopsy, BurpSuite, Postman, Appium Inspector, Selenium, Robot Framework, JMeter, Tableau, Orange, JohnTheRipper, Swagger

Programming Languages: Python, Java

Languages: Malay (native), English (fluent)

CERTIFICATE

Cisco: CCNAv7: Switching, Routing, and Wireless Essentials

Cisco: Network Security

LinkedIn Learning: Cybersecurity Foundations

LinkedIn Learning: Cybersecurity Foundations: Security Architecture

LinkedIn Learning: Cybersecurity Awareness: Cloud Security **LinkedIn Learning:** Cybersecurity Foundations: Governance, Risk, and Compliance (GRC)