

# MUHAMMAD ABQARI ZULKIFLI

Cyberjaya, Selangor | m.abqari.zulkifli@soc.uum.edu | +60 18-370 7173 |  
linkedin.com/in/muhammad-abqari-zulkifli | enfernal777.github.io

## SUMMARY

---

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

## EDUCATION

---

### Universiti Utara Malaysia

*Bachelor of Computer Science with Honours, Major in Cyber Security*

Aug 2021 – Expected Aug 2025

*Sintok, Kedah*

## EXPERIENCE

---

### Vice President of Education, Toastmasters UUM

*Toastmasters UUM*

Oct 2024 – Present

*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

### 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

## 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

**Programming Languages:** Python, Java

**Languages:** Malay (native), English (fluent)