MUHAMMAD HILMI BIN ISHAK

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PROFILE

Computer Science undergraduate majoring in Information Security & Assurance, seeking a 24-week internship (2 March – 14 August 2026) as a Software Engineering Intern or Cybersecurity Intern. Strong hands-on experience in Flutter, Firebase, Python, PHP, and Java, with proven ability to build secure mobile and web applications, integrate AI-driven features, and conduct web application security testing. Experienced in secure coding practices, vulnerability assessment, and collaborative project development. Fluent in English and Malay.

EDUCATION

UNIVERSITI SAINS ISLAM MALAYSIA (USIM) | Nilai, Negeri Sembilan   **Sep 2022 – Sep 2026**
Bachelor of Science (Computer Science) (Information Security and Assurance) (Hons.)
CGPA: 3.52/4.00

KOLEJ MATRIKULASI PAHANG | Gambang, Pahang   **Jul 2021 – Jul 2022**
Sains Komputer (Computer Science)
CGPA: 3.25/4.00

SKILLS

Programming Languages:
Python, Dart, Java, PHP, C++, SQL, JavaScript
Frameworks & Cybersecurity Tools:
Flutter, Firebase (Auth, Firestore, Hosting), MySQL, JSP/Servlets, REST APIs, Google Gemini API, Burp Suite, Wireshark, VMware, Penetration Testing, Vulnerability Assessment, Intrusion Detection
Development Practices & Tools:
Git (Version Control, Pull Requests, Code Review), Agile Methodology, Unit Testing, CI/CD, Secure Coding, VS Code, PyCharm, Android Studio
Languages:
English (Fluent), Malay (Fluent), Arabic (Basic)

CERTIFICATIONS & TECHNICAL TRAINING

Technical Certifications:
- **CompTIA Cybersecurity Analyst (CySA+) Earned Jan 2026 — CompTIA**
  Threat detection, SIEM analysis, incident response, vulnerability management
- **Google Cybersecurity Professional Certificate — Google & Coursera (USIM Partnership)**

Competitions & Events:
- **Participant, Microsoft ASEAN AI for Accessibility (AI4A) Hackathon**
  Developed a prototype for See2Do using Azure services.
- **Participant, Curtin Malaysia Capture The Flag Hackathon 2025 v3.0**
- **Participant, Top Coders Coding Challenge 2025 (University Level)**
- **Participant, Nexsec 2025 - Intervarsity Cyber Forensics Challenge**

PROJECTS

YakinHalal – Hybrid Halal Restaurant Recommendation System (Mar 2025 – Present)
Flutter | Firebase | Google Maps API | OpenStreetMap | Gemini API
- Developed a full-stack Flutter mobile application for halal restaurant recommendations using a hybrid recommendation model.
- Delivered real-time recommendations for 500+ venues with <2s response time, reducing manual search effort by 70%.
- Integrated an AI-powered calorie scanner using Google Gemini API for food recognition and nutrition insights.
- Built a secure admin portal with role-based access control and achieved a 78.5 SUS usability score with unit testing support.

FundFlow – Secure & Insecure Web Application (Mar 2025 – Aug 2025)
PHP | MySQL | BurpSuite | OWASP Top 10
- Built secure and intentionally vulnerable versions of a financial web application to study real-world application security risks.
- Identified and exploited common web vulnerabilities including broken access control (IDOR), CSRF, insecure password storage, and weak authentication.
- Remediated vulnerabilities using session-based authorization, CSRF token validation, bcrypt password hashing, and CAPTCHA protection.
- Validated security fixes through web penetration testing using Burp Suite.

GustoCraft – AI Food Recipe Finder (Oct 2024 – Mar 2025)
Java (JSP/Servlets) | MySQL | Gemini API
- Built Developed a full-stack recipe recommendation web application with ingredient-based search and AI-generated suggestions.
- Integrated an AI chatbot using Google Gemini API to provide real-time cooking guidance and ingredient substitutions.
- Implemented secure backend features including CRUD operations, session management, and normalized database design.
- Delivered over 200 recipes and achieved a 4.2/5 user satisfaction rating from beta users.

LEADERSHIP EXPERIENCE

Global Islamic Student Outreach (GISO) 2025 – Indonesia (Leader Secretary) | Aug 2025
- Coordinated documentation, logistics, and official communications for a 9-day international outreach programme with 28 participants (UNAIR & UIN Sunan Kalijaga).
- Delivered cybersecurity awareness sessions under "Empowering Cyber Hasanat", covering digital threats, data privacy, and safe online practices.
- Assisted with simulated cyber-attack demonstrations, basic threat scenarios, and cipher-based activities to explain information security concepts.
- Supported interactive cybersecurity learning activities, including the CyberHasanat board game, to engage university students.

REFERENCES

Assoc. Prof. Dr. Mohd Fadzli Marhusin
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Universiti Sains Islam Malaysia
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Prof. Ts. Dr. Sakinah Ali Pitchay
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