RAUDHATUL SAADAH BINTI ABDUL RAZAK

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Github: https://github.com/MaisheK/Nestawi-Nexus.git

SUMMARY

Motivated and high-performing Software Engineering fresh graduate with hands-on experience in web application development, software testing, data analysis, and technical documentation. Experienced in developing secure systems, Python automation scripts, and AR-based educational platforms through internship and academic projects. Recognized with international innovation awards for impactful project work. Proactive problem-solver with a collaborative mindset, eager to contribute and grow within a dynamic organization.

EDUCATION

Bachelor of Information Technology (Hons.) in Software Engineering   **Sept 2022 – Feb 2026**
- University Kuala Lumpur Malaysian Institute of Information Technology
- CGPA: 3.86/4.00

Foundation in Computer Technology   **Aug 2021 – Aug 2022**
- University Kuala Lumpur Malaysian institute of information technology
- CGPA: 3.82/4.00

INTERNSHIP EXPERIENCES

DEVELOPER & IN-HOUSE TESTER INTERN | CYBERSECURITY MALAYSIA   **Aug 2025 – Feb 2026**

- **Asset Management System**
  Developed a secure web-based Asset Management System to address inefficiencies and data inconsistency in manual asset tracking. Built using PHP, HTML, CSS, JavaScript, SQL, and Laravel, the system enables staff to manage, monitor, and track organizational assets on an internal server, improving asset visibility, data accuracy, and overall inventory management efficiency.

- **ISO-Compliant Facial Image Metadata Automation**
  Engineered Python-based automation scripts aligned with ISO/IEC 29794-5 and ISO/IEC 19794-5 standards to validate facial image compliance, including precise eye-distance measurements and capture model consistency checks. Leveraged NumPy, Pandas, Matplotlib, and face_recognition library to streamline metadata generation, significantly reducing manual verification effort while ensuring standardized and reliable image validation.

- **Functional Testing Playbook & Guidelines**
  Authored a standardized functional testing playbook to guide cross-functional teams in validating product requirements. Defined clear testing workflows, validation criteria, and expected outcomes, enabling consistent test execution, improving overall test quality, and reducing misinterpretation during product testing.

- **URS, BRS, SRS & SDS Requirement Mapping Document**
  Reviewed and verified requirement mappings to ensure alignment between User Requirement Specification (URS), Business Requirement Specification (BRS), Software Requirement Specification (SRS) and Software Design Specification (SDS) provided by the vendor. Identified gaps and inconsistencies to minimize misinterpretation during development and reduce potential rework by ensuring functional requirements aligned with business objectives.

- **User Acceptance Testing (UAT) Documentation**
  Developed and maintained comprehensive UAT documentation for software and hardware systems, including detailed test cases, expected results, and acceptance criteria. Organized and tracked test results to identify issues, support resolution, and ensure structured testing and smooth end-user adoption.

UNIVERSITY PROJECTS

- **Nestawi Nexus: Interactive Jawi Learning Platform with Augmented Reality (AR)**
  Developed an interactive AR-based learning platform to address low student engagement and difficulty in mastering Jawi literacy. Built using HTML, PHP, Laravel, MySQL, and C#, the system integrates AR-enhanced 3D models, interactive notes, games, stories, and quizzes. Early testing showed improved student engagement, vocabulary retention, and learning participation compared to traditional teaching methods.

- **Grocery Store Management System**
  Designed and implemented a desktop-based system to resolve inefficiencies and data errors caused by manual inventory and sales tracking. Developed using C#, .NET, ASP.NET, and SQL Server with full CRUD functionality and real-time database connectivity, enabling faster, more accurate inventory and transaction management.
- **Data Training & Analysis with TensorFlow & Pandas**
  Performed data cleaning and preprocessing on raw online datasets using Python and Pandas, then built and trained machine learning models with TensorFlow to extract patterns and insights. The project produced meaningful predictions and visual outputs, improving data-driven decision-making accuracy for sample business scenarios.

CERTIFICATIONS

CompTIA Cloud+ ce Certification
Cisco IT Essentials
Google Project Management Professional Certificate (v2)
Microsoft Certified: Security, Compliance, and Identity Fundamentals

SKILLS

Languages
- English – Proficient (Professional Working Proficiency)
- Malay – Native / Fluent

Programming languages
- PHP, HTML, CSS, Java, Python, Flutter, MySQL, SQL Server, PostgreSQL, C#, JavaScript, Bootstrap, R

Libraries, Framework, UI/UX Design and Tools
- GitHub, .NET, ASP.NET, NumPy, Pandas, Matplotlib, Plotly, TensorFlow, Scikit-Learn, face_recognition, Laravel, Django, Figma, UI/UX Development, Wix, Adobe Photoshop, Adobe Illustrator, Adobe Premier Pro, Adobe Animate, Canva Microsoft Office (Word, Excel, PowerPoint, Access)

PUBLICATIONS

- **Publisher: iTAC 2025 E-Proceedings: Where Ideas Ignite and Innovation Unites, Special Interest Group Public Centre of Excellence (SIG PICE), UiTM Kedah Branch, Sungai Petani Campus**
  Title: Nestawi Nexus: Interactive Jawi Learning Platform with Augmented Reality (AR)
  Authors: Raudhatul Saadah Abdul Razak, Ratna Dewi Bachtiar Effendi, Nor Azlina Ali

EXTRACURRICULAR ACTIVITIES & VOLUNTEERING EXPERIENCE

- **2026 –** Participant, Chin Hin Hackathon
- **2025 –** Lead SEPC club, organizing workshops and guiding students through tech projects and coding to develop programming skills and solve real-world problems
- **2025 –** Participant, MARA Empowerment and Networking Programme (MENTOR2025)
- **2025 –** Participant, UPM FoSeal Hackathon
- **2025 –** Participant, International Game of Hackers Seminar
- **2025 –** Participant, System Overrides CTF
- **2025 –** Speaker, "SRS & STP Documentation" Sharing Session with Juniors
- **2024 –** Participant, Topcoders Challenge

AWARDS & ACHIEVEMENT

- Gold Award, Unisza International Innovation Competition on Future Education (IICFE) 2025 — Nestawi Nexus (AR-based Jawi Learning Platform)
- Best Cluster Award, UITM International Teaching Aid Competition (iTAC) 2025— Nestawi Nexus (AR-based Jawi Learning Platform)
- Gold Award, UITM International Teaching Aid Competition (iTAC) 2025— Nestawi Nexus (AR-based Jawi Learning Platform)
- Achieved Dean's List Award for 6 Semester in a row from Sep 2022 until March 2025 with CGPA 3.86

REFERENCE

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