RABI'ATUL'ADAWIYAH BINTI ABDUL RAHMAN

ENGINEER

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Summary

Engineering graduate specializing in Electronic and Biomedical systems, with experience in Python, C, MATLAB, and a growing proficiency in JavaScript. Strong interest in image processing, embedded systems, and algorithm development. Motivated to deliver practical, innovative solutions in a collaborative, technology-driven environment

Education

Bachelor of Science, Biomedical Electronic Engineering **Sept 2018 – Aug 2022**

Universiti Malaysia Perlis, Perlis, Malaysia
CGPA: 3.53
Relevant Subjects: Engineering Skills (A), Engineering Mathematics (A), Computer Programming (A), Artificial Intelligence (A), Engineering Drawing and CAD (A), Management for Engineers (A-)

Malaysian Higher School Certificate (STPM) **May 2016 – Dec 2017**

SMK Dato Haji Hassan Yunos, Johor, Malaysia
CGPA: 2.75
Malaysian University English Test (MUET): Band 4

Malaysian Certificate of Education (SPM) **Jan 2011 – Dec 2015**

SMK Simpang Renggam, Johor, Malaysia
SPM: 1A+, 1A, 6A-, 3B+

Skills & abilities

- **Technical tools:** Autodesk AutoCAD and Inventor, MATLAB, COMSOL Multiphysics, IDE Arduino
- **Programming:** Python, C, MATLAB, JavaScript (currently learning), HTML, CSS
- **Microsoft tools**: Word, Excel, PowerPoint, Outlook
- **Collaboration tools**: Azure DevOps, GitHub, Visual Studio Code
- **Soft skills:** Technical writing, Research skills
- **Languages:** Bahasa Melayu (Native), English (Proficient)

Experience

Freelance | Renggam, Johor, Malaysia **July 2024 - Present**

- Managed invoices, expenses, and financial records using Microsoft Excel with high accuracy
- Developed Excel and Word templates to streamline admin tasks, reducing preparation time by 30%
- Handled accounts payable, accounts receivable, and payroll with 100% accuracy

Research Assistant | University Malaysia Perlis, Perlis, Malaysia **Oct 2022 – Jan 2024**

- Developed image enhancement techniques for diagnosing Acute Myeloid Leukemia (AML)
- Designed and implemented algorithms in MATLAB and Python to improve image quality and diagnostic accuracy
- Collaborated with AI researchers and medical professionals to meet clinical requirements

Certificates

Introduction to Data Analysis using Microsoft Excel **2025**
Coursera Project Network

Getting Started with Azure DevOps Boards **2025**
Coursera Project Network

Getting Started with Microsoft Excel **2025**
Coursera Project Network

Presenter, International Conference on International Workshop on Artificial Intelligence and Image Processing **2023**
Universiti Malaysia Perlis, Perlis, Malaysia

Presenter, International Conference on Biomedical Engineering **2023**
Universiti Malaysia Perlis, Perlis, Malaysia

Participation in the Research Knowledge Sharing Webinar Series by Prof. Dr. Yoshifumi Saijo **2022**
Universiti Malaysia Perlis, Perlis, Malaysia

Award of Merit in Virtual Expo of Innovation Product and System Design 2020 (ViDE 2020) **2020**
Universiti Malaysia Perlis, Perlis, Malaysia

Gold Awards for Virtual Expo of Innovation Product and System Design 2020 (ViDE 2020) **2020**
Universiti Malaysia Perlis, Perlis, Malaysia

Petanque Athlete for the School of Mechatronic Engineering **2019**
Universiti Malaysia Perlis, Perlis, Malaysia

Publications

Feature Targeted Image Enhancement for Acute Myeloid Leukemia **Dec 2023**
Presented at the International Conference on International Workshop on Artificial Intelligence and Image Processing
Universitas Muhammadiyah Yogyakarta, Indonesia

Color Normalization for Acute Promyelocytic Leukemia Images **Sept 2023**
Presented at the International Conference on Biomedical Engineering (ICOBE 2023),
Universiti Malaysia Perlis, Perlis, Malaysia