RABI'ATUL'ADAWIYAH BINTI ABDUL RAHMAN

ENGINEER
Johor, Malaysia | Willing to Relocate
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Summary

Engineering graduate specializing in Electronic and Biomedical Engineering with strong interest in image processing, embedded systems, and algorithm development. Experienced in customer interaction with strong communication skills to translate technical details into customer-friendly explanations.. Eager to grow as an Engineer by combining technical knowledge with customer engagement.

Education

Bachelor of Science, Biomedical Electronic Engineering **Sept 2018 – Aug 2022**
Universiti Malaysia Perlis, Perlis, Malaysia
CGPA: 3.53

Malaysian Higher School Certificate (STPM) **May 2016 – Dec 2017**
SMK Dato Haji Hassan Yunos, Johor, Malaysia

Malaysian Certificate of Education (SPM) **Jan 2011 – Dec 2015**
SMK Simpang Renggam, Johor, Malaysia

Skills & abilities

- **Technical tools:** Autodesk AutoCAD and Inventor, MATLAB, COMSOL Multiphysics, IDE Arduino
- **Programming:** Python, C, MATLAB, HTML, CSS
- **Microsoft tools**: Word, Excel, PowerPoint, Outlook
- **Languages:** Bahasa Melayu (Native), English (Proficient)

Experience

Junior Sales Consultant | Al-Ikhsan Sports, Kluang, Johor, Malaysia **Nov 2025 - Present**
- Boosted sales by guiding customers to suitable products, contributing to store target sales..
- Maintain visual merchandising standards and ensure the store environment is clean, organized, and welcoming.
- Resolve customer inquiries and complaints professionally, ensuring positive customer experiences.
- Collaborate with team members to achieve sales targets and support store operations.

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
- Address customers' needs and provide practical, effective solutions.

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
- Published two technical papers and presented it at international conferences.

Publications

Feature Targeted Image Enhancement for Acute Myeloid Leukemia
DOI: 10.1109/IWAIIP58158.2023.10462885
International Conference on International Workshop on Artificial Intelligence and Image Processing, Universitas Muhammadiyah Yogyakarta, Indonesia

Color Normalization for Acute Promyelocytic Leukemia Images
DOI: 10.1007/978-3-031-80355-0_15
International Conference on Biomedical Engineering (ICOBE 2023), Universiti Malaysia Perlis, Perlis, Malaysia

Projects

Portfolio Website Template
GitHub: https://github.com/Rabia2698/Reference-for-Website-Portfolio

- Developed a clean and reusable website template to help users build personal sites easily.
- Designed core sections including Home, About Me, Projects, and Contact for clear content organization
- Built the website in Visual Studio Code using HTML and CSS, with a clean, beginner-friendly structure.

Feature Targeted Image Enhancement for Acute Myeloid Leukemia
DOI: 10.1109/IWAIIP58158.2023.10462885

- Developed an algorithm for a new diagnosis method to detect Acute Myeloid Leukemia cells in bloods using an image enhancement approach that removes background influence to improve target region visibility.
- Skills and tools used include image processing, feature extraction, computer vision, Python, and algorithm development.

Color Normalization for Acute Promyelocytic Leukemia Images
DOI: 10.1007/978-3-031-80355-0_15

- Implemented multiple color normalization techniques to address staining, illumination, and imaging variability in APL microscopic images.
- Skills and tools used include image processing, color normalization, computer vision, MATLAB, Python, and quantitative analysis.

Edit Image Application
GitHub: https://github.com/Rabia2698/Reference-for-Website-Portfolio

- Developed a desktop image editing application using Python, Tkinter, PIL, and OpenCV.
- Implemented features including image upload, crop, resize, rotate, flip, brightness/contrast adjustment, grayscale conversion, color inversion, and sharpening.
- Designed a clean, user-friendly interface with a menu and canvas for real-time image preview and applied effects.

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