

# ABDU RAZAK AL FATAH

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## SUMMARY OF QUALIFICATION

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- Strong understanding of Machine Learning, including algorithm implementation and data analysis.
- Skilled in Web Development, with experience in front-end and back-end technologies, including HTML, CSS, JavaScript, and database management.
- Experienced in developing Internet of Things (IoT) systems, including device integration, data communication.
- Proficient in Embedded Systems, including hardware design and microcontroller programming for various industrial applications.

## EDUCATION

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**Teknokrat Indonesia University, Faculty of Engineering**  
Bachelor's Degree in Computer Engineering  
Internet Of Things, Embedded System

Bandar Lampung  
Semester 6  
Major GPA: 3.58/4.00

## TECHNICAL SKILLS

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**Programming Languages:** C, C++, Python, Java, Java Script, PHP, SQL

**Operating System:** Windows, Linux

**Databases:** SQL, Oracle

**Databases:** TensorFlow, OpenCV, Arduino IDE, Raspberry Pi, MySQL, CX Programmer, Netbeans, MS Excel/Word

## PROJECT EXPERIENCE

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**IoT-Based Shrimp Larvae Counter , *Internet Of Things***

November 2024 – January 2025

- Developed system using Raspberry Pi and YOLO object detection.
- Implemented a real-time monitoring system accessible via a web interface.
- Improved efficiency for shrimp farmers by reducing time and errors in larvae counting.

**Javanese Script Recognition Using Computer Vision , *Computer Vision***

December 2024 – January 2025

- Utilized CNN models for accurate character recognition.
- Integrated OpenCV for image preprocessing and enhancement.
- Aimed to preserve and promote Javanese script by through digital platforms.

**Restaurant Website, *Web Programming***

Juny 2024 – July 2024

- Developed a restaurant website with separate login roles for admin, owner, and customers.
- Implemented secure authentication and role-based access control.

**Library Book Borrowing Application Using NetBeans, *Object Oriented Programming***

December 2023 – January 2024

- Implemented user authentication for librarians and members.
- Developed features for book borrowing, returning, and tracking due dates.
- Improved library operations by automating manual book lending processes.

## ADDITIONAL EXPERIENCE

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**Merdeka Student Exchange Program**

Universitas PGRI Madiun

*Participant*

March 2024 – July 2024

- Participated in the Merdeka Student Exchange Program, gaining cross-university academic experience.
- Organized a social contribution event at Lentera Hati Orphanage, engaging children in educational games with prizes.
- Delivered a motivational session on the importance of education, inspiring children to pursue learning.
- Developed teamwork and leadership skills through community engagement activities.

**LPK Farafi**

Metro, Lampung

*Multimedia Intern*

March 2021 – May 2021

- Completed an internship in line with Multimedia studies, focusing on photography and graphic design.
- Worked on photo editing, layout design, and digital media production.
- Assisted in creating promotional materials and social media content.
- Gained hands-on experience in professional photography and visual storytelling.