

# RESTU AGIL YULI ARJUN

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## WORKING EXPERIENCES

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**Research Ministry of Higher Education**, Yogyakarta

Aug 2024 – Oct 2024

*Deep Learning Engineer & Web Developer*

- Developed a food detection system using the YOLO model to detect high-protein food ingredients.
- Managed data annotation, data preprocessing, model training, and evaluation, ensuring high accuracy and performance of the detection system.
- Contributed to efforts to reduce stunting in Indonesia by helping provide recommendations for complementary feeding (MPASI), the ingredients used, and preparation methods.
- Designed and developed a website to integrate the food detection system, providing users with a recommendation menu based on image input.
- Embedded the trained model into the website to enable real-time detection of food images submitted by users.
- Enhanced user experience through seamless interaction between the detection system and the recommendation engine, improving system functionality and reliability.

**Global Data Inspirasi**, Yogyakarta

Mar 2024 – Jun 2024

*Deep Learning Engineer Intern*

- Contributed to developing and implementing object detection models for identifying people, vehicles, license plates, vehicle counting, over-dimension trucks, and health and safety detection.
- Developed and classified images to determine car colour, type, and brand using YOLO and CNN algorithms.
- Evaluated the training results and ensured model accuracy.

## EDUCATION

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**Aisyiyah University**, Yogyakarta

Okt 2021 – Apr 2025

*Bachelor of Information Technology*

GPA 3.91 of 4.00

Honours: Cumlaude, Dean's List

## ACHIEVEMENTS

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**Best Student Class of 2024**, Yogyakarta

Sep 2024

*1<sup>st</sup> Students with Highest GPA in Semester VI - Year 2024/2025.*

**MTQ UNISA**, Yogyakarta

Jan 2021

*1<sup>st</sup> Place.*

**MTQ Jakarta Islamic University**, Jakarta

May 2021

*2nd Place*

**Martial Arts Mayor's Trophy (Pencak Silat)**, West Jakarta

Des 2019

*2nd Place.*

## ORGANIZATION

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**Student Exchange**, Bandar Lampung University

Sep – Dec 2023

*Ministry of Education and Culture Republic Indonesia*

- **Networking and Friendship:** Offers an incredible opportunity to meet and build friendships with fellow students from across Indonesia.
- **Culture Exchange:** A deeper understanding of Indonesia's diverse cultures and traditions. Helps to appreciate different perspectives, promoting unity despite diversity.
- **Social Impact and Volunteering:** Visiting elderly homes, engaging with residents and organizing events for them brings joy to their lives and positively impacts the local community.
- **Personal Growth:** Enhance leadership, communication, and organizational skills.
- **Teamwork and Collaboration:** Helping to develop better cooperation strategies for future projects.

**BEM-KM Aisyiyah University**, Yogyakarta

Sep 2021 – Sep 2022

*Ministry of Foreign Affairs - Staff*

- **Leadership:** Led the team in planning and executing an event, coordinating various activities involving multiple parties, and ensuring everything ran according to plan.
- **Teamwork:** Worked closely with a team of individuals with diverse skills. Collaborate effectively with team members, value their input, and delegate tasks efficiently.
- **Time Management:** Prioritized important tasks and ensured that every phase of the event was completed
- **Problem Solving:** Coordinating with relevant parties to seek alternative options that meet the event's needs.

## CERTIFICATIONS

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**TOEFL ITP**

Mar 2025

*Score 573*

## COURSE/TRAINING

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**ElevAlte Scholarship with Dicoding**

Mar 2025

*Azure Natural Language Processing, AI Vision, & Machine Learning.*

**ID Camp Scholarship with Dicoding**

Sep 2024

*Basic Web Programming.*

**Digital Talent Scholarship Kominfo**

Feb - Jul 2024

*Oracle Database Design & Programming with SQL.*

**Jago Bahasa English Course**

Okt 2020 - Jan 2021

*English Speaking Pre-Basic, Basic, Intermediate, & Advanced for 4<sup>th</sup> month.*

## LANGUAGES AND SKILLS

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- Bahasa Indonesia (Native), English (Professional Working Proficiency).
- HTML, CSS, JS, Bootstrap, Python Flask, Jupyter Notebook, Java.
- PyTorch, Keras, Tensor Flow, OpenCV, YOLO, CNN.
- Oracle Apex, Figma, Github.
- Passionate about leveraging AI innovation for real-world solutions, continuously striving for professional growth.