# Muhammad Ridhan Khoirullah <a href="https://ridhan0101.github.io/Website-Portofolio-Ridhan/">https://ridhan0101.github.io/Website-Portofolio-Ridhan/</a>

Fresh Graduate Informatics Engineering Sriwijaya University

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#### PROFESSIONAL SUMMARY

A Computer Science graduate with cum laude honors and a GPA of 3.90/4.00, with a background in an accelerated class that allowed me to complete high school in just two years. Passionate about developing skills in technology and programming, with a special interest in website development using Laravel and Codelgniter, as well as data mining with Python using Streamlit and Flask. Experienced in managing MySQL, Oracle, and MongoDB databases, and developing Java GUI-based applications. I am excited to join an innovative team where I can continue to learn, contribute, and develop effective technology solutions.

#### EDUCATION

August 2021 - January 2025

## S.Kom. (Equivalent to B. Eng) in Informatics Engineering (honours)

Department of Informatics Engineering, Faculty of Computer Science, Sriwijaya University (UNSRI), Jl. Raya Palembang – Prabumulih Km. 32 Indralaya, Ogan Ilir 30662, Indonesia GPA: 3.90 / 4.00 with specialisation in Data Mining Association

<u>Undergraduate Thesis Project</u>: **Purchase Association Of Chips And Crackers Using Apriori Algorithm** [Grade A in both Oral Examination and Dissertation Writing]

Supervisor: (1) Dian Palupi Rini, M.Kom., Ph. D.. (2) Desty Rodiah, S.Kom., M.T.

 Design Apriori Algorithm Model for Purchase Association Analysis in Chips and Crackers Transactions

February 2024 - June 2024

### Independent Study - Kampus Merdeka Backend Developer Program - Ruang Guru

- Focused on Backend Development using Golang
- Learned Postman API, Web Service API, Git, GitHub, and AI
- Gained experience in RESTful API development and microservices architecture
- Collaborated in a team-based environment to build scalable backend solutions
- Final Project: Developed a chatbot for electricity usage monitoring at home, integrating Al-based analysis for energy consumption optimization.

2019 - 2021

## Senior High School - MAN 3 Palembang Science Major (IPA) - Acceleration Program

- Graduated high school in two years through an accelerated program, demonstrating academic excellence and adaptability.
- Lived in a mandatory dormitory for one year, fostering independence and self-discipline.

## **WORK EXPERIENCE**

December 2023 - January 2024

## Internship Java Developer at PT.DIRGANTARA INDONESIA (PTDI) - Bandung Indonesia

PT Dirgantara Indonesia (PTDI) is a state-owned enterprise (SOE) in Indonesia specializing in aircraft manufacturing and aerospace engineering.

President Director: Marsda TNI (Purn.) Gita Amperiawan

 [Project] Development Of It Vendor Management Application Using Java Gui At Pt. Dirgantara Indonesia

June 2022 - November 2023

## Full Time Position at RIZAN 858 SNACK - Palembang, Indonesia

RIZAN 858 SNACK is a micro, small, and medium enterprise (UMKM) engaged in the production and distribution of chips and crackers in Palembang, Indonesia.

- Position: Data Analyst
- Key Responsibilities & Achievements:
  - Analyzed sales and operational data, providing insights that improved sales efficiency
  - Managed transaction data and identified market trends, leading to better demand forecasting.
  - Developed automated reports using Excel, SQL, and Power BI, reducing manual data processing time.
  - Optimized inventory management, decreasing product waste through data-driven recommendations.

## CERTIFICATIONS & HONORS

2021 - 2025

**Graduated with Cum Laude honors in 3.5 years (Informatics Engineering)** 

Earned a Bachelor's degree in Informatics Engineering with distinction from Sriwijaya

University.

Feb 2024 - Jun 2024

Certified in Backend Development (Ruang Guru x Kampus Merdeka)

Awarded certification for completing an intensive backend development program focused on industry-relevant skills and technologies.

2019 - 2021

Completed high school in 2 years (Acceleration Program)

Successfully completed an accelerated learning program, demonstrating outstanding academic performance and adaptability.

## ORGANIZATIONAL EXPERIENCE

January 2023 – December 2023

**Staff Of Human Resource Development**- Badan Otonom Fasilkom Science Commmunity Sriwijaya University

Fasco is a research organization within the Faculty of Computer Science, Sriwijaya University that develops technological innovation and fosters leadership skills.

SCORE

530

### **LANGUAGES**

**Mother tongues** 

Bahasa Indonesia, Bahasa Palembang

Other language(s)

UNDERSTANDING WRITING

Listening Reading Structure

48 54 55

English ()

### **PROJECTS**

**Electricity Monitoring Chatbot** 

### Ruangguru x Kampus Merdeka - Backend Final Project

- Built using Golang with RESTful API and AI-based analysis
- Monitored household electricity usage and recommended optimizations

Purchase Association Analysis Using Apriori Algorithm

### Undergraduate Thesis - Sriwijaya University

Analyzed customer purchase patterns in chips and crackers
 Generated itemset associations using Apriori and Lift Ratio metrics

### TECHNICAL SKILLS

Relevant Technical Skills

- · Languages: Python, Java,
  - HTML, CSS, JavaScript
- · Frameworks: Flask,
  - Codelgniter, Laravel
  - Databases: MySQL, Oracle,
  - MongoDB, PostgreSQL
- Data Mining: Apriori Algorithm, ARIMA
- Tools: Microsoft Office, Power BI, Git. Postman

### **PORTFOLIO**

Personal Website : ridhan0101.github.io

GitHub: github.com/ridhan0101