

## Muhammad Ridhan Khoirullah

Fresh Graduate – Informatics Engineering & Accounting

Sriwijaya University & Universitas Anak Bangsa

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Portfolio: [Portofolio - Muhammad Ridhan Khoirullah](#) | GitHub: <https://github.com/Ridhan0101>

### PROFESSIONAL SUMMARY

Double degree graduate in Computer Science (GPA 3.90, Cum Laude) and Accounting (GPA 3.72) with strong expertise in backend development, data mining, and financial analysis. Experienced in building scalable systems using Golang, Laravel, and Flask, and proficient in SQL-based databases like MySQL and PostgreSQL. Skilled in automated financial reporting, budgeting, cost analysis, and Net Profit Margin (NPM) evaluation using Excel and Power BI. Passionate about integrating technology with finance to deliver insightful, data-driven business solutions and decision support tools.

### ACADEMIC QUALIFICATION

September 2021 – July 2025

#### **S.Ak. (Equivalent to B.Acc) in Accounting (honours)**

Department of Accounting, Faculty of Economics, Universitas Anak Bangsa, Pangkal Pinang, Indonesia

GPA: 3.72 / 4.00 with specialisation in Management Accounting

Undergraduate Thesis Project: *The Influence of Management Accounting Implementation, Budget Planning and Control, and Managerial Information on Improving Financial Performance at PT Cahaya Nusantara Sentosa Muara Enim* [Grade A in both Oral Examination and Dissertation Writing]

Conducted a quantitative regression-based study to assess how management accounting practices affect financial performance using Net Profit Margin (NPM) as a key indicator.

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

Undergraduate Thesis Project: **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 AI-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:** Accounting Assistant & Data Analyst
- **Key Responsibilities & Achievements:**
  - Recorded daily transactions (sales & purchase notes) and automated financial reports such as Profit and Loss Statements, Balance Sheets, and Cash Flow using Excel.
  - Calculated COGS, profit margins, and Net Profit Margin (NPM) for financial performance evaluation.
  - Analyzed sales and operational data to improve efficiency and support demand forecasting.
  - Developed dashboards using Excel, SQL, and Power BI, reducing reporting time and supporting data-driven decisions.
  - Optimized inventory management and supported the implementation of a simple accounting system tailored for SMEs.

## AWARDS AND FUNDING

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 Community Sriwijaya University

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

## SKILLS

Mother tongues

Bahasa Indonesia, Bahasa Palembang

Other language(s)

UNDERSTANDING		WRITING	SCORE
Listening	Reading	Structure	
48	54	55	530

English ()

Relevant Technical Skills

- Accounting & Finance: Financial Reporting, Profit & Loss Statement, Balance Sheet, Cash Flow Analysis, Budgeting, Cost of Goods Sold (COGS), Net Profit Margin (NPM), Manual & Computerized Bookkeeping (UMKM-scale)
- Programing Languages: Python, Java, HTML, CSS, JavaScript
- Frameworks: Flask, CodeIgniter, Laravel
- Databases: MySQL, Oracle, MongoDB, PostgreSQL
- Data Mining & Analytics : Apriori Algorithm, ARIMA, Trend Analysis
- Tools: Microsoft Excel & Office Suite, Power BI, Git, Postman

## 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**

