

SAYID RAYHAN MULACHELA

BUSINESS ANALYST AND DIGITAL PRODUCT DEVELOPER

rayhanmulachela.main@gmail.com | 08812906458 | linkedin.com/in/sayidrayhan/

SUMMARY

A graduate IT professional with expertise in **software development, business analysis, and IT governance**. Led multiple **automation projects**, optimized **business processes**, and drove **AI-driven solutions** through **leadership roles** and **national & international tech competitions**. Proven ability to manage **IT projects, stakeholder engagement, and digital product development**, combining **technical skills** with a **strategic mindset** to drive innovation and efficiency.

EDUCATION

Telkom University | Informatics | GPA: 3.86/4.00

Sep 2021 - present

Area of Interest: Data Science, Business Analysis, Software Development

Achievements:

- **Telkomsel Scholarship Awardee** by PT. Telekomunikasi Seluler
- **Microsoft Imagine Cup Semifinalist (Ongoing)** by Microsoft Corporation .Inc
- **School of Computing Most Outstanding Student** by HIMA IF Telkom University
- **4th Place (Aspiring Winner) | 2024 GEMASTIK XVI Smart City Division** by KEMENDIKBUDRISTEK
- **1st Place | 2024 Management Business Plan Competition** by Muhammadiyah Purwokerto University
- **5th Place | 2024 LIDM IPDP Division** by KEMENDIKBUDRISTEK
- **Top 10 | 2023 AI for Accessibility Microsoft Hackathon** by Microsoft Indonesia
- **Finalist | 2023 GEMASTIK XVI Smart City Division** by KEMENDIKBUDRISTEK
- **1st Place | Digistar Class 2023 Social Project** by PT.Telkom Indonesia (Persero) Tbk
- **1st Place | ACAVERO Smart City Hackathon** by HMSI Telkom University
- **Receive Funding | PKM V GK 2023** by BELMAWA

and other 8+ achievements

CAREER EXPERIENCE

Chief Business Officer | ADA.AI

October 2024 – Present

Projects : ADA.AI (Disability)

- Leading business strategy, partnerships, and growth for an inclusive job platform for people with disabilities. ADA.AI reached the Microsoft Imagine Cup Semifinal 2025, highlighting its impact in accessible hiring.
- Built on Azure, the platform features AI-driven job matching and AIDA.AI, a generative AI chatbot, to enhance accessibility and employment opportunities.

Data Analyst Intern | PT. Telekomunikasi Seluler

July 2024 – September 2024

Projects : Descriptive Data Analysis Automation Tool

- Successfully developed an automation desktop application for descriptive data analysis, enabling the direct processing of raw data, up to million row of data
- This tool significantly expedited the creation of presentation materials (PPT) for the WHAM project, streamlining workflows for Telkomsel employees

Desktop Developer Intern | PT. Telekomunikasi Seluler

July 2024 – September 2024

Projects : Excel to PPT Automation Tool

- Developed an automation tool for creating PowerPoint presentations from Excel data, significantly speeding up the presentation creation process. The application was designed with a user-friendly interface, catering to non-IT users.
- The system was also developed with maximum flexibility, allowing users to customize PPT configurations, including placeholders, data selection, and slide arrangement.

Projects : Telegram Bot for Data Migration

- Created a bot tool that enabled direct data retrieval from the parent company, PT Telkom, to its subsidiary, Telkomsel, facilitating efficient data migration.

Front-End Developer | PT. Pukul Enam

August 2024 – December 2024

Projects : Satria BIPA Chatbot

- Designed and developed dynamic, responsive user interfaces for the Satria BIPA Project using React.js and Express.js.
- Built RESTful APIs and integrated them with the frontend to ensure seamless data flow and functionality

Teaching Assistant (International and Regular Class) | Telkom University

August 2023 – December 2024

- Supported over 70+ students as a Teaching Assistant for Discrete Mathematics and Theory of Languages and Automata (TBA) in the international class.

ORGANIZATIONS

1 of 16 Digistar Icon 2023 | PT. Telkom Indonesia (Persero) Tbk **October 2023 – December 2024**

- Selected as the Digistar Icon representing Telkom University in the Digistar Icon program, a prestigious initiative that chooses **top graduates Digistar Class Program** from Indonesian universities.
- Successfully organized a webinar titled 'Get to Know AI: A Journey Into The World of Image Processing,' attracting an audience of up to 300 participants."

Head of Laboratory | PRODIGI Digital Talent Centre Lab **September 2024 – February 2025**

- Leading the lab in organizing **ADIKARA 2024**, an internal competition to identify top talents for the **2025 DIKTI competitions**.
- Collaborate with the Faculty of Informatics to mentor and prepare students for national and international competitions while fostering innovation and excellence within the lab

Research and Development (RnD) Assistant | CoE AILO (AI for Learning) **April 2024 – December 2024**

- Assisted in research and development activities at AILO, a lab focused on advancing AI technologies. Contributed to projects involving AI for learning and optimization, collaborating with researchers to develop and implement innovative AI solutions

Practical Lab Assistant | Informatics Lab Telkom University **September 2023 – January 2025**

- Gained experience as a Practical Lab Assistant in three different courses: Data Structures, Computer Networks, and Object-Oriented Programming (OOP).
- Led practical sessions in the Informatics Lab, guiding over 7 classes, each with approximately 30 students, through hands-on exercises and ensuring a clear understanding of the course material

Head of Mentor Department | Badan Mentoring Telkom University **September 2023 – January 2025**

- Promoted to lead the Mentor Department at the university level after successfully completing my tenure as Head of the Mentor Division for the Faculty of Engineering.
- Responsible for overseeing the administration and evaluation of mentoring activities for over 4,000 Muslim students at Telkom University. Additionally, I provide support and resources to more than 150 Muslim mentors, ensuring they have the tools needed to effectively teach and guide their mentees.

Business Analyst (BA) Member | ProClub Telkom University **November 2022 – November 2023**

- Through this experience, I deepened my understanding of business analysis, including stakeholder management, requirement gathering, and translating business needs into technical specifications.
- Led a team of 2 developers and 1 UI/UX designer in ProClub's Probation 2023 program to successfully complete the CardiCheck app, a self-diagnosis tool for heart disease.

In addition to this core role, I have taken on over **10+ organizational roles across campus labs and student organizations**, frequently **leading committees** and honing my leadership and teamwork skills.

NOTABLE CERTIFICATE

Certified Big Data Analyst (CBDA) TÜV Rheinland	August 2024
AI-900: Microsoft Azure AI Fundamentals	February 2025
Meta Certified Digital Marketing Associate	February 2025
Professional Communication by Critical Career Skills	February 2025
Digistar Class Developer Track PT. Telkom Indonesia (Persero) Tbk	August 2024

- Successfully completed the Digistar Class Developer Track, a prestigious program by PT. Telkom Indonesia. Selected as 1 of 500 mentees from a competitive pool of 15,000 applicants

ADDITIONAL SKILLS

Language Proficiency:

- Indonesian:** Native or Bilingual Proficiency
- English:** Professional Working Proficiency
 - EPRT (English Proficiency Test):** 580 (Equivalent to IELTS Band 8.0)
 - Duolingo English Test:** 140 (Equivalent to IELTS Band 7.5)

Interpersonal Skills: Leadership, Teamwork, Oral & Written Communication, Problem Solver, Professionalism, Sociable & Charismatic, Critical Thinking, Strategic Negotiation

Technical Skills: IT Project Management, IT Business Analysis, Microsoft Office (Excel, Word, PowerPoint), Python, MySQL, Data Analysis with Python, Java, Javascript, Computer Vision, Business Process Designing, Business Process Engineering, & Business Process Analysis