

# Roysihan

Tanjungpinang • roysihan208@gmail.com • +62 813-7207-0555 • [linkedin.com/in/roysihan](https://linkedin.com/in/roysihan)  
[github.com/Roysintax](https://github.com/Roysintax) • [roysihan.official](https://roysihanofficial)

Machine Learning graduate from Bangkit led by **Google, Goto, and Traveloka Academy 2024** with **958 hours** of intensive training. Achieved **93%** in **TensorFlow and ML specializations**. Two-time national robotics competitor (**KRI 2022-2023**) with proven **technical skills** in **Python, IoT, and data analytics**.

## WORK EXPERIENCE

---

Internship Trainee	Oct 2025 - Present
CV. Masagena Ininnawa	Tanjungpinang, Indonesia
I am a dedicated Administrative Intern at CV. Masagena Ininnawa, with over two months of experience in facilitating office operations, creating visual assets, and conducting field research. My tenure has involved a diverse scope of work, ranging from designing book covers and documenting project milestones to recording executive meeting minutes and performing on-site field surveys. Now entering my third month, I continue to leverage my skills in both design and administration to drive organizational efficiency.	
Machine Learning Cohort	Feb 2024 - Present
Bangkit Academy 2024	Jakarta, Indonesia
Completed 958 hours of intensive machine learning training achieving 88.9% average score across 13 courses including TensorFlow, Python, and data analytics. • Developed AI-powered mobile application (ABA-I) as capstone project designed for visually impaired children featuring book recommendation system, interactive chatbot, and text-to-speech functionality. • Collaborated with crossfunctional team to build machine learning models using Python, TensorFlow, and Pandas for data preprocessing and model deployment.	
Robotics Volunteer Educator	Sep 2022 - Sep 2022
Esa Unggul University	Jakarta, Indonesia
Volunteered as robotics instructor introducing basic robotics concepts and technology fundamentals to elementary school students.	
Robotics Team Member	Jun 2022 - Jun 2022
Indonesia Robot Competition 2022 & 2023 (KRI)	Jakarta, Indonesia
Competed in national-level robotics competition for two consecutive years representing Universitas Esa Unggul in Robot Tematik Division and Robot Rescue Division. • Designed and built autonomous robot equipped with real-time obstacle detection system reducing collision rate by 30% through optimized sensor integration. • Developed wheeled gripper robot (2023) and legged rescue robot (2022) using Arduino Uno, C/C++ programming, and multiple sensors.	

## EDUCATION

---

Sarjana Komputer	Jun 2021 - Feb 2025
Esa Unggul – Jakarta	GPA: 3.60/4.00   Cum Laude
Konsentrasi: IoT, Machine Learning & Fullstack Developer	

## SKILLS

---

Programming & Hardware:	C/C++, Python, Arduino, Javascript, Java	Jun 2021 - Feb 2025
IoT & AI Tools:	Arduino Uno, TensorFlow, Machine Learning, Pandas, NumPy, Data Analytics, Skicit-Learn, Keras	
Frameworks & Databases:	React, Laravel, SQL, HTML/CSS, Tailwind.css, Node.js, Mysql	
Other Tools:	Git, Microsoft Office, Canva, Figma, PicsArt, Adobe Photoshop, Adobe Illustrator, Affinity	

## PUBLICATIONS

---

Implementasi Teknologi IoT pada Sistem Budidaya Ikan Nila/Mujair untuk Meningkatkan Efisiensi dan Produktivitas pada Tambak/Bioflok	on S E I K O : Journal of Management & Business	May 2025
---	---	----------

Developed an IoT system with real-time pH and temperature sensors, automatic feed distribution, and camera-based water quality monitoring for tilapia farms. Transmitted live sensor data to web and mobile apps. Integrated automatic servo controller for pH adjustment and real-time video with alert notifications sent via email. Improved monitoring efficiency, optimized feeding schedules, and reduced fish mortality risks.