

# Rayhan Permana

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AI and Data Engineering enthusiast with hands-on experience building data pipelines and machine learning models. Skilled in Python, SQL, and cloud-based tools, with a strong foundation in data preprocessing, model optimization, and deployment. Experienced in leading independent projects, from design to implementation, and eager to apply problem-solving skills to real-world data challenges.

## PROFESSIONAL EXPERIENCE

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### Full Stack Intern

2022

*Telkom Vocational High School Makassar*

- Developed a visitor management dashboard with Laravel, Bootstrap, and MySQL to log visits and support admin tracking.
- Assisted in database design and query optimization, ensuring faster and more reliable data retrieval.
- Gained hands-on experience in full-stack development lifecycle, from requirement gathering to deployment.

## PROJECTS

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### Obesity Prediction Model Deployment

*Using Streamlit and FastAPI*

- Real-time predictions from XGBoost model
- REST API for integration with other services
- Clean and minimal frontend using Streamlit

### Recommendation System Deployment

*Using Streamlit and FastAPI*

- Data preprocessing and similarity computation
- RESTful API deployment with FastAPI
- Interactive web interface with Streamlit

### Hotel Booking Prediction

*Using Streamlit and XGBoost*

- Data preprocessing and feature engineering
- Model training with XGBoost
- Interactive prediction interface with Streamlit

## CERTIFICATES

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- Microsoft Azure AI Fundamentals 🔗
- NVIDIA Fundamentals of Deep Learning 🔗
- NVIDIA Fundamentals of Accelerated Computing with CUDA Python 🔗
- Freecodecamp Scientific Computing with Python 🔗

## EDUCATION

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### **BINUS University**

*Data Science*

Relevant coursework: Machine Learning, Deep Learning, Data Mining & Visualization, Big Data Infrastructure, Text Mining, Database Technology, Software Engineering, Data Security.

Present

Jakarta, Indonesia

### **Telkom Vocational High School Makassar**

*Software Engineering*

Makassar, Indonesia