

# Indra Juliansyah Putra

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📄 <https://indrajuliansyahputra.github.io/>

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## SUMMARY

PPassionate machine learning and data science enthusiast skilled in Python, MySQL, and Tableau for precise data analysis. Led innovative projects like ASL Hand Gesture Recognition. Committed to continuous learning and sharing insights through Medium articles.

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## PROJECTS

### ASL Hand Gesture Detection Using Yolo V8

Associated with Universitas Sriwijaya • <https://github.com/indraJuliansyahPutra/Hand-Gesture-Detection> • February 2023 – April 2023

- Defined project scope, objectives, and timelines, allocated resources, ensuring a systematic and efficient execution of the ASL Hand Gesture Detection project. Resulted in a 15% reduction in project completion time.
- Led data collection for hand gesture detection, meticulously preprocessing data through image resizing and precise labeling. This groundwork informed the selection of the YOLO V8 architecture and optimal hyperparameter configuration.
- Spearheaded model training, evaluations, and iterative refinement, achieving heightened accuracy (90%) in hand gesture detection. Implemented a proactive approach to enhance the model's performance throughout the project lifecycle.

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## EDUCATION

### Bachelor of Computer Science

University of Sriwijaya • Ogan Ilir, South Sumatra, Indonesia • 2025 • 3.85

- Awarded to full Scholarship by Government (KIP-K) due to Grades and Family Economic

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## CERTIFICATIONS

### Google Data Analytics

Google on Coursera • 2023

- Gain an immersive understanding of the practices and processes used by a junior or associate data analyst in their day-to-day job. Learn key analytical skills (data cleaning, analysis, & visualization) and tools (spreadsheets, SQL, R programming, Tableau).
- Understand how to clean and organize data for analysis, and complete analysis and calculations using spreadsheets, SQL and R programming. Learn how to visualize and present data findings in dashboards, presentations and commonly used visualization platforms.

### Mathematics for Machine Learning and Data Science

DeepLearning.AI • 2023

- A deep understanding of the math that makes machine learning algorithms work.
- Statistical techniques that empower you to get more out of your data analysis.
- Fundamental skills that employers desire, helping in ace machine learning interview questions and land dream job.

### Machine Learning

DeepLearning.AI • 2023

- Build ML models with NumPy & scikit-learn, build & train supervised models for prediction & binary classification tasks (linear, logistic regression).
- Build & train a neural network with TensorFlow to perform multi-class classification, & build & use decision trees & tree ensemble methods.
- Apply best practices for ML development & use unsupervised learning techniques for unsupervised learning including clustering & anomaly detection.
- Build recommender systems with a collaborative filtering approach & a content-based deep learning method & build a deep reinforcement learning.

### DeepLearning.AI TensorFlow Developer

DeepLearning.AI • 2023

- Best practices for TensorFlow, a popular open-source machine learning framework to train a neural network for a computer vision applications.
- Handle real-world image data and explore strategies to prevent overfitting, including augmentation and dropout.
- Build natural language processing systems using TensorFlow.
- Apply RNNs, GRUs, and LSTMs as you train them using text repositories.

### TensorFlow: Data and Deployment

DeepLearning.AI • 2023

- Run models in browser using TensorFlow.js, Prepare, and deploy models on mobile devices using TensorFlow Lite.
- Access, organize, and process training data more easily using TensorFlow Data Services.
- Explore four advanced deployment scenarios using TensorFlow Serving, TensorFlow Hub, and TensorBoard.

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## COURSEWORK

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### Startup Campus Bina Bangsa Bersama Google Batch 1 - Analitik Data Google

Startup Campus • 2023 • Data Analytics Skills

- I applied my data analytics skills by analyzing and interpreting datasets provided in the course. This involved employing statistical methods and tools to derive meaningful insights, contributing to informed decision-making. Additionally, I utilized data visualization techniques to effectively communicate findings and trends to stakeholders, fostering a data-driven approach within the context of the course.

### Bangkit Machine Learning Cohort

Remote • 2023 • Machine Learning Skills

- Applied machine learning skills in hands-on projects and collaborative tasks during the Bangkit Machine Learning Cohort.
- Utilized these skills to analyze data, develop models, and make data-driven decisions, contributing to the successful completion of the program.
- Demonstrated proficiency in applying machine learning algorithms to real-world scenarios, showcasing practical knowledge gained during the course.

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## ORGANIZATION

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### Selected Member of Machine Learning Team

Universitas Sriwijaya • Google Developer Student Clubs Chapter Universitas Sriwijaya • November 2023 - Present

- Collaborated with cross-functional team members, contributing to the successful completion of 1 machine learning projects, enhancing the team's collective understanding and achieving a 20% increase in project efficiency.
- Engaged in community outreach programs, delivering 1 machine learning workshops to 10 participants to promote awareness and understanding of machine learning within the university or local community.
- Participated in 2 networking or onboarding event, fostering connections with professionals and experts in the machine learning and technology field.

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## SKILLS

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Teamwork, Communication, Machine Learning, Python, R