

# Raka Ardhi Prakoso

## Learning Architect / Data Scientist

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### SUMMARY

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Dedicated professional with a versatile background spanning both curriculum development and data science, offering four years of progressive experience in creating educational content and harnessing data-driven insights. Adept at leveraging analytical skills to extract valuable information from complex datasets and translating it into actionable strategies. Proven ability to bridge the gap between educational innovation and data-driven decision-making, resulting in enhanced learning experiences and measurable outcomes. Seeking to contribute expertise in both curriculum leadership and data science to a dynamic organization poised for growth and innovation.

### WORK EXPERIENCE

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#### Haktiv8 Jakarta

Jakarta, Indonesia

Head of Data Science Program

August 2018 – Present

- Graduated over 250 students from the data science program (2022-2023), achieving an impressive job placement rate of 95% graduates within 180 days; as detailed in this H1-2022 [CIRR report](#).
- Provided visionary leadership as the Head of the Data Science Program, overseeing curriculum design, instructor coordination, and student engagement for a thriving data science bootcamp.
- Spearheaded the continuous enhancement of the program's curriculum, integrating the latest industry trends, tools, and techniques to ensure its relevance in the ever-evolving field of data science.
- Managed a team of dedicated data science instructors, fostering a collaborative and supportive teaching environment that encouraged students' curiosity and skill development.

#### Techarea Indonesia

Semarang, Indonesia

Advisor

January 2016 – Present

- Provided valuable strategic advice and insights to the executive team, leveraging expertise in technology and industry trends to drive the software development Techarea's growth and innovation.
- Collaborated with the board and senior leadership to formulate technology roadmaps aligned with the Techarea's business goals, ensuring the adoption of cutting-edge tools and methodologies.
- Supported Techarea in identifying new business opportunities and partnerships, expanding the client base and fostering collaborations that aligned with the Techarea's strengths.

#### Mulia Sawit Agro Lestari

Jakarta, Indonesia

IT Supervisor

January 2017 – August 2018

- Led a team in overseeing the company's IT infrastructure, ensuring the smooth operation of networks, servers, and systems critical to daily operations.
- Successfully coordinated and executed IT projects, including system upgrades, software implementations, and network expansions, ensuring minimal disruptions and on-time completion.
- Initiated continuous improvement initiatives, seeking ways to streamline processes, reduce costs, and enhance the overall effectiveness of the IT department.

### SKILLS

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**Educational Skills:** Curriculum Development, Professional Development, Educational Leadership.

**General Skills:** Exploratory Data Analysis, Time Series Analysis, Machine Learning, Cloud ETL.

**Programming Language:** Python, SQL.

**Visualization Tools:** Tableau, Looker Studio, Kibana, AWS Quicksight.

**Libraries / Framework:** TensorFlow, Scikit-learn, Streamlit, Pandas, Numpy, Matplotlib, Seaborn, Scipy, Feature-Engine.

**Tools:** Docker, Apache Airflow, PostgreSQL, Elasticsearch, Apache Kafka, Apache Hadoop.

**Techniques:** NLP, Computer Vision, Time Series Analysis, Forecasting, Kimball Data Modeling.

**Modeling Algorithms:** Regression, Random Forest, Decision Trees, Neural Networks, Clustering, and Dimensionality Reduction.

**Others:** Amazon Web Services (Amazon S3, AWS Lambda, AWS Glue, Amazon Kinesis, Amazon MWAA, Amazon Athena), Google BigQuery, Hugging Face.

## WORKSHOP / TALKS / PROJECTS

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### [AWS Community Builder](#)

2022 - Present

Project Description: As an AWS Community Builder member, I am dedicated to driving the growth of the AWS community, facilitating knowledge exchange, and contributing to the empowerment of individuals and businesses through cloud technology, especially in Data. I contribute to the expansion of AWS knowledge among professionals, students, and enthusiasts, while enhancing my own skills through hands-on experiences and networking opportunities.

### **Ministry of Communication and Information Technology Workshop**

2023

Workshop Title: Workshop Pengembangan SDM Tim Pengendalian Konten Internet dalam Menghadapi Perkembangan Teknologi Jelang Pemilu 2024.

Workshop Description: As a representative alongside esteemed legal scholars from Universitas Padjadjaran (Unpad) and the Cyberlaw Team of Indonesia, I had the honor of contributing to discussions on the intricate challenges posed by the evolving digital landscape leading up to the 2024 elections. Our dialogue encompassed diverse facets, including the legal dimensions of content control using AI, the implications of emerging technologies, and the imperative of informed policies to ensure a fair and secure electoral environment.

### [Shopee Code League Singapore](#)

2022

Workshop Title: The Science of Emotions: Introduction to Sentiment Analysis

Workshop Description: One of the workshop's highlights was exploring real-world applications of sentiment analysis, particularly within the context of e-commerce and customer feedback. Participants delved into case studies that showcased how sentiment analysis can empower businesses to gauge customer satisfaction, identify areas for improvement, and tailor their strategies accordingly.

### [National Data Science Challenge](#)

2021

Workshop Title: Recommendation Rampage

Workshop Description: Guiding participants through the intricacies of recommendation systems, we delved into the underlying principles that enable platforms to offer tailored content and products to their users. By breaking down the mechanics of collaborative filtering, content-based filtering, and hybrid approaches, attendees gained a deep understanding of the methodologies that drive intelligent recommendations.

### [KODE by Hacktiv8](#)

2019-2021

Project Description: The project's scope encompassed an extensive range of programming languages, frameworks, and tools. With a resolute commitment to providing accessible and impactful education, this endeavor involved crafting over 50 distinct courses, each tailored to empower aspiring programmers with the skills and knowledge needed to excel in the ever-evolving tech landscape.

## EDUCATION

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### **Universitas Negeri Semarang**

Bachelor of Education (GPA 3.18/4.00)

Semarang, Indonesia

2011 – 2015

## CERTIFICATIONS / PUBLICATIONS

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### **Komparasi Metode SAW dan TOPSIS untuk Menentukan Prioritas Perbaikan Jalan**

[ISSN 1411 - 0059](#)

Issued on 2016

### **John Hopkins University**

The Data Scientist's Toolbox

Certificate: [9MQAMFTW64YB](#)

Issued on 2020

No expiration date

### **University of Michigan**

Applied Machine Learning in Python

Certificate: [3P2UNC7MDAV8](#)

Issued on 2019

No expiration date

### **DeepLearning.ai**

Neural Networks and Deep Learning

Certificate: [HHY5GDQTPNV](#)

Issued on 2019

No expiration date