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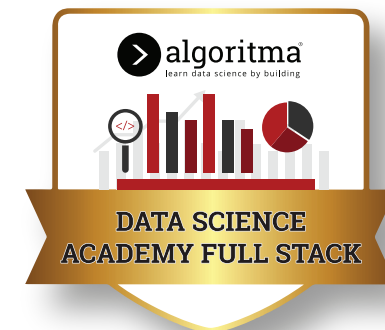
CERTIFICATE

This certificate is presented to

HAIRUL YASIN

For completing our **Data Science Academy Full Stack**:
"Data Analytics Specialization", *"Data Visualization Specialization"*,
and *"Machine Learning Specialization"*
on March 13th - July 17th 2023

Samuel Chan
Course Producer

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**DATA SCIENCE
ACADEMY FULL STACK**

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6/6
Python for Data Analysts

6/6
Exploratory Data Analysis

6/6
Data Wrangling & Visualization

6/6
SQL Query

16/16
Data Analytics Capstone Project

4/4
Programming for Data Science & Practical Statistics

2/2
Data Visualization in R

4/4
Interactive Plotting & Web Dashboards

28/30
Data Visualization Capstone Project

4/4
Regression Model

4/4
Classification in Machine Learning I

4/4
Classification in Machine Learning II

4/4
Unsupervised Machine Learning

4/4
Time Series & Forecasting

4/4
Neural Network & Deep Learning

30/36
Machine Learning Capstone Project

132 / 140
Total Score

LETTER OF RECOMMENDATION
No. : 035/AF/AD/VIII/2023

The undersigned below:

Name   : **Rany Dwi Cahyaningtyas**

NIP   : 094

Position   : Academy Lead

As a representative of PT. Algoritma Data Indonesia hereby states that we provide a recommendation to:

Name   : **Hairul Yasin**

E-mail   : hairulyadin@gmail.com

Which gained a total <u>132 </u>from a maximum score of 1<u>40 </u>on the Vulcan Scholarship Algoritma Full Stack program *(Data Analytics Specialization, Data Visualization Specialization & Machine Learning Specialization)* which began on March 13th - July 17th 2023.

This recommendation letter is made thruthfully and to be used as approriate.

Jakarta, August 21st, 2023

Rany Dwi Cahyaningtyas
Academy Lead