



CERTIFICATE

of Achievements

Issued

2/09/2023

Abubakar Ranto

Has been awarded a certificate of achievements for the

FULL STACK DATA ANALYTICS

A 13-week certified online course offered by RevoU

Matteo Sutto
CEO and Co-Founder
PT Revolusi Cita Edukasi



Verify at <https://certificates.revou.co/abubakar-ranto-certificate-achievements-facfsda23.pdf>
Revou has confirmed the identity of this individual and their participation in the course



FULL STACK DATA ANALYTICS

Scorecard

Issued

2/09/2023

Name: ABUBAKAR RANTO

Batch: 6

Module	Score	Notes
Understanding Business Problems	Moderate	Capable of performing fundamental stakeholder categorization and defining the project's scope, clarify the problem statement, identify the underlying root causes, establish objectives/hypotheses, measure relevant metrics, and propose solutions or recommendations based on analysis.
Statistics & Spreadsheets	Moderate	Capable of fundamental data and variable connection, apply basic statistic, data cleaning, highlight abnormal data with statistical measurement reasons, generate insight with descriptive statistics, examine correlations, perform regression analysis, and conduct hypothesis testing.
SQL	Moderate	Able to execute basic SQL functions for aggregation, manipulation, formatting, selecting, filtering, joins, union and window. Capable of working with larger datasets, cleaning them through SQL queries. Exhibits logical thinking in determining data usage and flow.
Python for Data Analyst	Proficient	Proficient in Python for data analysis. Can apply RFM analysis, k-means clustering, and A/B testing independently to derive insights. Can develop propensity models using logistic regression to predict customer behavior. Generate meaningful insights and valuable business recommendations.
Data Visualization	Proficient	Proficient in generating insight from data visualization. Have effective analyzing, modeling, and interpreting data skills. Have practical creativity in applying principles of data visualization. Capable of utilizing prepared data sources to create interactive dashboards using Looker Studio & Tableau