



# Certificate

No. 096 /BDG/P-SNBR/CODE/V/2020

This is to certify that

**Muhammad Azhar Rasyad**

has completed

**Python & Data Science**

On May 15th, 2020 provided by Sanbercode.

Bandung, May 2020

Sanbercode CEO

A handwritten signature in black ink, appearing to read "Khairun Rizki", is written over the Sanbercode logo.

Khairun Rizki

# Skill Report

**Name** : Muhammad Azhar Rasyad

**Course** : Python & Data Science

## Technical Skills

Topic	Sub Topic
Basic Python	<ul style="list-style-type: none"><li>• Python List, Dictionary, Method, Function</li><li>• Logic Control Flow and Loop</li><li>• Getting Help</li></ul>
Pandas	<ul style="list-style-type: none"><li>• Access / Indexing Data</li><li>• Data Transformation</li><li>• Reshaping Data</li><li>• Grouping Data</li><li>• Merging Data</li></ul>
Visualization	<ul style="list-style-type: none"><li>• Matplotlib</li><li>• Custom Visualization</li><li>• Multiple Plots</li><li>• Quantitative Comparisons</li></ul>
Machine Learning	<ul style="list-style-type: none"><li>• Scikit-Learn (Supervised Learning)</li><li>• Preprocessing Data</li><li>• Model Selection</li><li>• Model Performance Evaluation</li></ul>