Curriculum Vitae

Herlangga Fitdia Saputra

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SUMMARY

Rangga is an Information Technology student at Universitas Negeri Surabaya. Has a strong foundation in Data Science (SQL and Python), Machine Learning Development, and Data Science. Passionate about applying classroom knowledge to real-world situations through internships or projects and is able to learn and practice on other subjects that have not been studied. Demonstrates excellent problem-solving skills and a collaborative mindset, seeking opportunities to contribute to innovative projects while continuing to expand knowledge in emerging technologies. Machine Learning Developer actively pursuing expertise in Machine Learning algorithms in Data Science as well as data analysis. Passionate about utilizing emerging skills in SQL queries to analyze data and data interpretation. Has hands-on experience in Dbeaver development, proficient in Data processing, data analysis, and data optimization. Passionate about learning, committed to staying abreast of the latest industry trends, and dedicated to mastering SQL and Python. Passionate about applying developing skills in both domains to provide the best solutions to become a Data Scientist.

EXPERIENCE

SQL Dbeaver   *May 2022 – Oct 2023*

SQL Dbeaver is a tool in SQL to search for queries on data that makes it easier for Data Scientists to process and analyze data.

My contribution as a SQL Dbeaver:

- Able to create queries for databases used to analyze data from Dbeaver tools. And solve problems that occur in SQL queries

- Developing data information on data analysis to find solutions to problems in data queries and completing projects on sample data.csv to be processed and turned into mature data.

- Able to adjust data based on certain conditions for more focused analysis. And sort data based on certain columns, either ascending or descending.

Pythone Algoritme Machine Learning *Oct 2023 – Feb 2024* Python is a popular programming language for Machine Learning (ML) due to its simple syntax, flexibility, and extensive community support. Python

provides many libraries and frameworks specifically designed for building, training, and evaluating Machine Learning (ML) models.

My contribution as a Python Machine Learning:

Example : Project Experience: Data Analysis and House Price Forecasting

- Building a Machine Learning model to predict house prices using Housing_Price_Data.csv dataset.
- Implementing regression algorithms such as Random Forest Regressor and Support Vector Regressor to generate accurate predictions.
- Optimizing the model using GridSearchCV and evaluating the model performance with MAE, RMSE, and R-square metrics. ● Utilizing Pandas and Matplotlib for data exploration and visualization of results.

EDUCATION   *March 2022 – Now*

• Universitas Negeri Surabaya, Indonesia Bachelor of Information

   Technology Engineering

SERTIFICATION

- Dicoding Indonesia certified about Machine Learning Python Algorithme **April 2024 – Jully 2024**
- Celerates PT Mitra Celerates certified about Data Scientist **August 2024- December 2024**

Skills

- Rangga is able to learn to run python on algorithms using c++ tools or google colabs

- Able to run SQL queries using DBeaver or Postgresql tools and able to solve problems with data • Able to operate Excel and check data because it is used in the Dbeaver application to operate data.

- Able to understand algorithms in Machine Learning such as clustering algorithms, regression algorithms, neural networks and others.

Non Teknis

- Working together in a team
- Able to learn other knowledge
- Ready to receive training of work
- Adaptif
- Komunikatif

- Ability to learn quickly

ORGANIZATIONS

Member – Big Data Solution   *Aug 2022 – Dec 2022*

Big data solution is a Student Organization of Surabaya State University which has teaching and learning activities in the field of data analysis and SQL queries..

At Big Data Solution I learned:

- Innovative and implemented creative solutions, analyzing data analysis to run on SQL queries
- Applying the principles of data processing learned in small projects, such as searching tables, filling columns, or creating flowcharts.
- Actively participating in online communities or forums to share experiences, learn from professionals, and get feedback on data scientists.

Member – Python Community Facultas   *Oct 2021 – Oct 2023*

Python community faculty is a university-based community group for students interested in python development technologies..

My activities in Forum are:

- Participate in a series of events, workshops, and seminars organized by the Python community faculty to deepen your understanding of Python technology and developers
- Attend events that cover topics such as algorithm development, libraries, and classification models.
- Take the opportunity to network with students and technology professionals, exchange information, and gain insight into industry trends.

ADDITIONAL

- **Programming Language:** HTML5, CSS3, Tailwind, Bootstrap, JavaScript, Java, Python, Golang, PHP, Reactjs, MySQL, Dbeaver.

- **Tools:** Microsoft Office (Word, Excel, PowerPoint), Google Workspace, , Visual Studio Code, Google colabs, Postgree SQL

- **Soft skills:** Communicative, Teamwork, User empathy, Problem Solving, Time Management, Analytical Thinking, Collaborative, Continuous learning, Receptiveness to feedback.

RELEVANT SUBJECTS

- Programming (Google Colabs) Grade: A (86+ of 100)
- MySQL Querry (SQL)   Grade: A (86+ of 100)
- Python Machine Learning (Python)   Grade: A (86+ of 100)