

# M. ALFAN TSALITS

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Surabaya, Indonesia

I am a 6th semester Information Systems student at Universitas Negeri Surabaya with my main interest as Data Scientist and Analyst. As a data enthusiast, I am proficient in data processing tasks such as data preparation, manipulation, and visualization. I am adept with tools such as Python, DBeaver, Google Colab, and Tableau. I am keen to further develop my skills and explore new opportunities in the data field.

## Skills

- **Soft Skills:** Teamwork, Data Storytelling, Critical Thinking.
- **Hard Skills:** Preprocessing Data, SQL, Data Analytics, Machine Learning, Data Visualization.
- **Interest:** Machine Learning, Deep Learning, Data Analyst, Business Intelligence.
- **Tools:** Python, Visual Studio Code, Google Colab, DBeaver, Excel, Tableau.

## Project Experiences

**Sales Dashboard Project - Surabaya, Indonesia** Jun 2024

*Celerates Studi Independent Project*

- Pre-processed transaction data of 84,637 samples with 9 features.
- Optimized data extraction and transformation processes using SQL and Python, reducing data processing time by 40%.
- Visualized to get insights at least 25% higher than initial sales data.

**Customer Churn Prediction** Apr 2024

*Celerates Studi Independent Project*

- Preprocessed customer data to create customer churn predictions for 72,274 data samples.
- Developed a churn prediction model using Decision Tree Machine Learning Algorithm with an accuracy above 96%.

**Netflix App Sentiment Analysis - Surabaya, Indonesia** Nov 2023

*Academic Project*

- Scraped user comment data on the Netflix application on Google Playstore as many as 5000 comments.
- Processed the data including labeling, predicting the sentiment of positive and negative comments.
- Measured the model performance using Random Forest, Naive Bayes and got model accuracy of 0.77 and 0.76
- Visualized to obtain information on user perception tendencies on the Netflix application about positive or negative comments.

**Glass Type Classification - Surabaya, Indonesia** Sep 2023

*Academic Project*

- Classified glass type data, using the UCI Machine Learning dataset with a sample size of 214 data.
- Scrubbed and then modeling the data to determine the appropriate algorithm using 3 models such as Decision Tree, Naïve Bayes, and SVM.
- Measured the performance of the model and got the respective accuracy of Decision Tree: 0.89, Naïve Bayes: 0.83, and SVM: 0.78
- Deployed using the Flask framework and the Python programming language with the classification model used by Decision Tree.

## Education

**Celerates Acceleration Program** Feb 2024 - Present

*Data Science & Analyst*

- Modul Highlight: Database & SQL, Data Warehousing & ETL, Python for Data Science, Statistic, Machine Learning, Deep Learning, Data Visualization. Studied it for 4 months in semester 6.
- Capstone Project: Data Classification Chat GPT Sentiment Data analysis includes EDA, Pre-Processing, Train Test Split, Modeling, and Model Optimization.

**Universitas Negeri Surabaya - Indonesia** Aug 2021 - Present

*Undergraduate in Informations System, 3.68/4.00*

- Data Mining: I learned about understanding and skills in extracting valuable information from large datasets starting from preprocessing, classification, grouping, association and data visualization. I studied it in semester 5.
- Decision Support Systems: Learn about the development and use of systems that support the decision-making process starting from analyzing, development methods, implementation to ethics in decision making. I studied it in semester 5.
- Contributed as Mobile and Website User Interface Designer in the Project Management course the application for licensing in the health sector "MediSync" which has 16 features and 9 actors. Create system designs and prototypes in Figma.

## Organizational Experience

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**Dewan Perwakilan Mahasiswa - Surabaya, Indonesia**

Feb 2023 - Jan 2024

*Advocacy Commission Staff*

- Demonstrated ability to maintain open communication between engineering students and administration.
- Demonstrate the ability to work collaboratively with commissions and other organizations.

## Certification

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- **Data Cleaning**, Kaggle, 2024
- **Pandas**, Kaggle, 2024
- **Python**, Kaggle, 2024
- **Intro to Machine Learning**, Kaggle, 2023