

SURYA ABDILLAH

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Sidoarjo, Jawa Timur 61256

I am Surya Abdillah, a fresh graduated student in Informatics Engineering, ITS. I have a strong interest in data, data analysis, data science, and database processing. In lectures, I have learned how to use RDBMS, and how to process tabular data, text, and images. Apart from academics, I have also developed myself by participating in departmental student associations, teaching and class assistants, community service program, and committees. I am determined to improve my skills and knowledge to make a positive impact and achieve a professional career.

Work Experiences

PIKTI (Program Informatika dan Komputer Aplikatif) - ITS, Surabaya

Oct 2023 – Dec 2023

Teaching Assistant, database technology courses

- Collaborate with the lecturer to explain the course.
- Supervising the running of class and exams to create an orderly lecture.
- Conduct an assessment of the results of student work.

Informatics Department – ITS, Surabaya

Sep 2023 – Jan 2024

Teaching Assistant and Practicum Coordinator, database system courses

- Coordinating all teaching assistants to carry out practicums.
- Prepare learning materials and exam questions.
- Participate in preparing practical materials.

National Taiwan University of Science and Technology - Taiwan

Dec 2024 - Presents

Laboratory Internship as AI Engineer

- Implementation of RAGs to evaluate RAG-Application performance.
- Participate in the preparation of a research proposal.

Education Level

Institut Teknologi Sepuluh Nopember - Surabaya

Aug 2020 - Sep 2024

Bachelor's Degree in Informatics, 3.73/4.00

Related Course:

1. Database System and Management

Building database model and implementing programming with SQL.

2. Multivariate Data Analysis

Perform hypothesis tests, organize data to several clusters, feature selection using PCA, analyze data, and build conjoint analysis.

3. Data Mining

Perform exploratory data analysis, data preprocessing, and building model prediction and clustering using Python.

Related Projects

Penguin Species Exploration and Prediction,

[SuryaAbdillah/PenguinData_DataMining_A5 \(github.com\)](#)

- Conduct exploratory data analysis on 344 data and perform visualization with bar charts, line plots, dist plots, and box plots to obtain information related to the data.
- Perform various data preprocessing and feature selection to obtain clean data.
- Create models with various methods both individual and ensemble learning with the best accuracy value of the weighted average model with 100% accuracy

Sentiment Analysis and Topic Modeling in Mangrove Forest Destination in Surabaya,

[SuryaAbdillah/FP_DataMining \(github.com\)](#)

- Scraping Twitter and Instagram data, and preprocessing data
- Develop a sentiment prediction model using the lexicon and BiLSTM methods with an accuracy of 78%
- Topic Modeling with latent Dirichlet allocation, and found that trash and finding bodies are negative sentiments in mangrove forests in Surabaya

Vehicle Plate Number Detection

- Image data augmentation with variations in saturation, rotation, and brightness values
- Making a model using a TrOCR transformer with an accuracy value of 98,33%

HBAT Data Analysis,

[SuryaAbdillah/tugas_analisis-data-multivariat_2023 \(github.com\)](https://github.com/SuryaAbdillah/tugas_analisis-data-multivariat_2023)

- Clustering with hierarchical and K-Means methods, with a silhouette score of 0,266.
- Conjoint analysis of HBAT product rating data, product 5 is obtained as the product with the best perception. The factors that influence consumer perception the most are price, germ-free, and numapp.
- Customer segmentation into several different groups
- Performing multidimensional scaling, obtaining similar characteristics of each product.
- Prediction model with logistic regression method with an accuracy value of 100% and Linear Discriminant Analysis with an accuracy of 77,5%.

Organizational Experience

Himpunan Mahasiswa Teknik Computer-Informatika - ITS, Surabaya

Jan 2023 – Dec 2023

Head of the community social department

- Responsible for all staff work programs.
- Monitoring and controlling the work program.
- Provide progress reports to the deputy head of student association.

Community Service Program - Rungkut, Surabaya

Apr 2022 - Oct 2022

Group leader

- Assisting Auzamifood in applying for halal certification.
- Coordinating the fulfillment of the necessary equipment.
- Responsible for the implementation of submissions for halal certification of other partners from group members.

Himpunan Mahasiswa Teknik Computer-Informatika - ITS, Surabaya

Jan 2022 - Dec 2022

Staff of the community social department

- Ensure the successful running of the HGTS.
- Coordinate with the school.
- Participate in the implementation of other work programs.

Key Skills & Competencies

Hard Skills: Data Analysts, Data Scientist, Database Design, Microsoft Office, Google Suite, Python, SQL, R.

Soft Skills: Empathy, Adaptive, Teamwork, Public Speaking, Commitment.

Languages: Indonesia (Native), English (Intermediate).