M. ALFAN TSALITS

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Surabaya, Indonesia

I am a 7th semester student at Universitas Negeri Surabaya and majored in information system with my main interest in data processing. As a data enthusiast, I am proficient in data processing tasks such as data preparation, data management, and visualization. I am adept with tools such as Ms. Excell, Ms. Access, Python, and Looker Studio. I am keen to further develop my skills and explore new opportunities in the data field.

Skills

- **Soft Skills**: Analytical Thinking, Attention to Detail, Critical Thinking, Fast Learn.
- **Hard Skills**: Preprocessing Data, Data Analytics, Machine Learning, Data Visualization, Software Installation and Configuration.
- **Interest**: Machine Learning, Deep Learning, Data Analysis, Data Visualization, Operating System, Graphic Design, Digital Imaging.
- **Tools**: Ms. Excel, Ms. Access, Python, Visual Studio Code, Google Colabs, PostgreSQL, Looker Studio, Tableau, Adobe Photoshop, Adobe Lightroom.

Experiences

RISTEK Datathon UI 2024 - National Data Science Competition　　　　　　　　　　Jun 2024 - Jul 2024

Loan Activity Fraud Detection

- Analyzed the financial transaction dataset with over 2 million rows of loan activities, user behavior, and characteristics.
- Utilized ensemble learning such as Balanced Random Forest and XGBoost that robust on imbalance dataset.
- Achieved a ranking of 39th out of 316 teams from various national universities.

Sales Dashboard Project - Celerates Studi Independent Project　　　　　　　　　　Jun 2024

Data Analysis - Data Visualization

- 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 for sales data.

Netflix App Sentiment Analysis - Academic Project　　　　　　　　　　Nov 2023

Data Science - Natural Language Processing

- 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 Identification - Academic Project　　　　　　　　　　Sep 2023

Data Science - Classification

- 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.

MediSync - OSS Health Service Application　　　　　　　　　　Aug 2023 - Dec 2023

UI/UX Website Designer

- Create website designs for Health One Single Submission Applications.
- Create a MediSync website design for at least 9 user roles using the Figma and prototype the design.
- Create User Interface Documents for website and mobile application design documentation from MediSync.

Education

Celerates Acceleration Program - Indonesia　　　　　　　　　　Feb 2024 - Jun 2024

Mentee in Data Science & Analyst

- Relevant module in interest: Database & SQL, Python for Data Science, Statistic, Machine Learning, Deep Learning, Data Visualization. Studied it for 4 months in semester 6

Universitas Negeri Surabaya - Indonesia　　　　　　　　　　Aug 2021 - Present

Information System - GPA 3.71/4.00

- Relevant course in interest: Data Mining, Business Intelligence, Risk Management, Database, Decision Support System, Enterprise Resource Planning, Computer Network.

Organizational Experience

Dewan Perwakilan Mahasiswa Fakultas Teknik - Surabaya, Indonesia Feb 2023 - Jan 2024

Advocacy Commission Staff

- Served as an advocacy commission staff member for a 1-year term of office, and was the chief organizer of the engineering student scholarship socialization webinar event for a hundred participants.
- Demonstrated ability to maintain open communication between engineering students.
- Demonstrated the ability to work collaboratively with commissions and other organizations.

Independence Day Competition - Ruang Pasien Indonesia Aug 2023

Equipment Committee

- Prepare equipment for the competition such as a sound system, speakers and other items needed for the competition.
- Prepare competition backsound music and monitoring the equipment for at least 3 hours of the competition.

Musyawarah Mahasiswa Teknik Informatika - Surabaya, Indonesia Apr 2023

Head of Public Relations

- Organizing the Public Relations Department in distributing invitations to participants.
- Inviting the lecturers from the head of the study program concerned to a welcoming event.

Certification

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