Moh. Sa'id

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PROFILE

I am a fresh graduate from the Informatics Engineering program at Trunojoyo Madura University. I am also a freelance IT professional involved in various fields such as website development, data science projects, graphic design and more. Among all the IT products I have worked on, data science is the field I am most interested in. I have proficiency in several programming languages such as Python, PHP with Laravel framework, SQL, and JavaScript.

WORK EXPERIENCE

Research Member at the LPPM of Trunojoyo Madura University   **July 2022 – January 2023**

- Participant in developing a sentiment analysis news data application using Python with Scikit-learn, Matplotlib, and Pandas libraries.
- Implementation of decision tree C4.5 and naive Bayes methods in classifying data.
- Application and publication of scientific journals indexed by SINTA 4.
- Expertise in using various tools such as MS Office, Google Docs, and Google Collabs

Project:

- Journal of Soft Computing Exploration with title A sentiment analysis of madura island tourism news using C4.5 algorithm.
- Application for prediction of tourism news sentiment.

Freelance Data Science and Web Devolopment Project   **December 2022 – Now**

- Expertise in using various tools and programming languages such as Python, PHP Laravel, and SQL to clean and process raw data into a usable format.
- Utilized website development tools for UI-UX design using Inkscape, GIMP and Figma, Tailwind CSS for front-end, PHP with the Laravel framework for back-end, and PostgreSQL and MySQL for database management..
- Experience in applying statistical techniques and machine learning algorithms to analyze patterns, trends, and make relevant predictions.
- Ability to communicate findings clearly through compelling visualizations using tools like Matplotlib, Seaborn, and streamlit.
- Effective communication of findings and recommendations to clients, ensuring clarity and understanding.
- Ability to frame business problems into machine learning tasks, identifying the appropriate type of problem (e.g., classification, forecasting, clustering) and defining clear objectives and success metrics.
- Skill in selecting, transforming, and creating relevant features from raw data to improve model performance and interpretability, including techniques such as encoding categorical variables, scaling numeric features, and creating new features.
- Familiarity with a variety of machine learning algorithms and techniques, including decision trees, random forests, support vector machines, neural networks, and KNN, and the ability to select the most suitable model based on the problem domain, data characteristics, and performance requirements.
- Understanding of evaluation metrics such as accuracy, precision, recall, F1-score, ROC-AUC, and others, and the ability to select appropriate metrics based on the problem and business context to assess model performance effectively.
- Consulted with businesses on data-driven decision-making and strategy development.

Project:

- Forecasting application for predicting the number of Hospital patients.
- Geographic information system for land and buildings in Bangkalan Regency.
- Application for predicting the potential for hepatitis disease.
- Geographic information system for agricultural Bangkalan Regency.
- Customer satisfaction analysis application for TikTok Shop services.
- Application for predicting the eligibility of Sumenep community in receiving basic foodstuffs.
- Application for clustering divorce data in Lamongan regency.

ORGANIZATIONAL & VOLUNTEER EXPERIENCE

UI-UX Team Coordinator   **January 2020 – January 2021**
Komunitas Pertemanan Sejiwa
- Coordinating the development of the website from the UI-UX section using designs from Inkscape, API Payment Gateway Library, front-end utilizing Tailwind CSS, back-end utilizing the PHP Laravel framework, and SQL database
- Discussing with coordinators of other fields in building a psychology community that utilizes information technology.
- Managing and making decisions in the design of the website pertemanansejiwa.com.

Graphic Design Instructor   **January 2020 – June 2020**
SUPERPROF.CO.ID
- Teaching diligently according to the teaching contract and providing time for discussions with students.
- Providing materials that can be applied in the current digital era.

Member of UKM UTM   **January 2020 – January 2024**
TRIPLE C
- Served as a moderator for member training on website development.

Member of UKM UTM   **January 2019 – January 2024**
Kamus FT
- Served as the master of ceremonies for the National Student Poster Design Competition in Indonesia.
- Held a position as an executive committee member in the Syiar Department of an organization.

EDUCATION LEVEL

Universitas Trunojoyo Madura   **August 2019 - February 2024**
- Bachelor of Informatics Engineering | GPA: 3.68/4.00.
- **Relevant Courses**: Web Application Development, Framework-Based System Development, Database Management, Data Mining, Natural Language Computing (NLP), Numerical Computing, Statistics, and Computational Intelligence.
- **Thesis**: Comparison of Feature Selection for Sentiment Classification Tourism News Using the Naïve Bayes Method.

Certificate and Paper

- 2nd Place Winner in the National Poster Competition KIF 2022 - https://bit.ly/3VgH6YN
- Certificate of Copyright Registration in the Field of Science - https://bit.ly/44NJ2Ls
- Speaker at the Community Service Seminar on the Concept of Applying Data Science in Business Analysis - https://bit.ly/44K97uI
- Speaker at the Community Service Seminar on the Utilization of Google Trends in Digital Marketing - https://bit.ly/4akIiOR
- Speaker at the Community Service Seminar on Introduction to the Concept of the Internet of Things in Supporting Device System Automation in the 5G Era - https://bit.ly/4dG1lpQ
- Journal of Soft Computing Exploration with the title "*A Sentiment Analysis of Madura Island Tourism News Using the C4.5 Algorithm*" - https://bit.ly/3ymKRCL
- Internship Certificate as a UI-UX Coordinator at Komunitas Pertemanan Sejiwa - https://bit.ly/3UO0uup

SKILLS

- **Data Handling**: Expertise in using various tools and programming languages such as Python and SQL to clean and process raw data into a usable format.
- **Web Devolopment**: Website development using Python, PHP with Framework Laravel, JavaScript, HTML, Tailwind CSS and SQLS.
- **Design Grafis:** Experienced in graphic design using tools such as Inkscape, Gimp, Figma, and Photoshop.
- **Statistical Analysis**: Experience in applying statistical techniques and machine learning algorithms to analyze patterns, trends, and make relevant predictions.
- **Problem-Solving**: Skill in designing and implementing data-driven solutions for complex business problems.

- **Communication**: Effective communication of findings and recommendations to clients, ensuring clarity and understanding.
- **Feature Engineering**: Skill in selecting, transforming, and creating relevant features from raw data to improve model performance and interpretability, including techniques such as encoding categorical variables, scaling numeric features, and creating new features.
- **Model Selection**: Familiarity with a variety of machine learning algorithms and techniques, including decision trees, random forests, support vector machines, neural networks, and ensemble methods, and the ability to select the most suitable model based on the problem domain, data characteristics, and performance requirements.
- **Model Evaluation**: Understanding of evaluation metrics such as accuracy, precision, recall, F1-score, ROC-AUC, and others, and the ability to select appropriate metrics based on the problem and business context to assess model performance effectively.

SOFTWARE & APPLICATION

Python, PHP Laravel, MS Office, Article writing, Javascript, HTML, CSS, SQL, Matplotlib, Numpy, Pandas and Scikit-learn