ASRUL FAMI

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Perumahan Dasana Indah Blok BC 4 No 5 RT.010RW/018. Kelurahan Bojong Nangka, Kecamatan Keluapa Dua, Kabupaten Tangerang, Provinsi Banten

I am a six-semester informatics student with a strong interest in data science and data analysis. I have experience using Python for data visualization, data screening, data analysis, and data prediction. Additionally, I am skilled in libraries such as Pandas, NumPy, Matplotlib, and Seaborn and proficient in data cleaning and processing using Excel. I easily adapt to new environments and am committed to continuous learning, aiming to make a positive contribution to corporate organizations.

Education Level

Universitas Mercu Buana - **Jakarta** Jul 2022 - Jul 2026 (Expected)

Undergraduate in A six-semester college student of Informatics at the Universitas Mercu Buana, 3.71/4.00

- Member of Universitas Mercu Buana (UMB) Esports
- Participated in the "Pekan Kreativitas Mahasiswa (PKM)" with the title "Wisata Lidah: Explore Pandan Rice with Ayam Penyet."
- Member of the Badminton team

Project Experience

Sentiment Analysis of DKI Jakarta Governor Candidates Nov 2024 - Jan 2025

Mathematical Tools for Data Science

This project analyzes public sentiment regarding Dharma Pongrekun's candidacy using Naive Bayes and SVM algorithms, classifying Twitter data into positive, negative, and neutral categories. The goal is to track sentiment trends and their influence on his public image during the campaign period.

- Collected 1000+ raw Twitter data points, cleaned to 700+.
- Labeled data into three sentiment categories using Excel.
- Assisted in labeling 1200+ data points for Rano Karno.
- Identified key positive keywords for Dharma Pongrekun: "manusia," "JakartaMenyala," "keren," "semangat," and "mantap."
- Highlighted Candidate Pair 2's keywords: positive ("bayi ajaib," "pilih," "dukung") and negative ("monkeypox," "tolol").
- Visualized sentiment trends using word clouds.
- Compared Twitter sentiment predictions with actual election results, showing a gap between online sentiment and real-world voting outcomes.

Student Performance Prediction - **Jakarta** Jul 2024

Machine Learning

This project focuses on predicting student performance based on various features such as average report scores and entrance exam scores using machine learning algorithms, including Decision Tree and K-Nearest Neighbors (KNN).

- Utilized Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn for data preprocessing, visualization, and model training.
- Performed data cleaning by handling 10+ missing values, label encoding for categorical columns, and normalization for numerical features.
- Applied train-test split with a 70 to 30 ratio and feature scaling using StandardScaler.
- Built and evaluated models using Decision Tree and KNN algorithms.
- Visualized prediction results with scatter plots and pie charts.
- Evaluated model performance using Mean Squared Error (MSE) for both models.

Nutritional Status Prediction of Toddlers - **Jakarta** Jun 2024

Machine Learning

This project focuses on predicting the nutritional status of toddlers using machine learning techniques, specifically the Support Vector Machine (SVM) algorithm. The goal is to build a classification model that can accurately categorize toddlers' nutritional statuses based on various features such as age, height, and gender.

- Utilized Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn for data preprocessing, visualization, and model training.
- Performed data cleaning by handling 10+ missing values, label encoding for 1 categorical column, and normalization for 2 numerical features.
- Applied train-test split with an 80 to 20 ratio and feature scaling using StandardScaler.
- Evaluated the model with results: accuracy 79.53%, precision 78.68%, recall 79.53 %, and F1 score 78.37%.

Organisational Experience

Celebrating Independence on August 17, 1945 - **Kabupaten Tangerang** Aug 2023

Leader

We celebrate independence by organizing various exciting competitions for children, teenagers, and parents. Each competition offers attractive prizes for participants, both children and teenagers. Competitions for children include a variety of fun activities such as cracker eating contests, water balloon popping, marble races, nail-in-bottle games, and finding coins in watermelons. Meanwhile, teenagers can participate in sack races, marble races, and tug-of-war competitions. Parents are not left out either; they can join in the fun with entertaining competitions such as musical chair challenges, group balloon popping, and singing together to liven up the atmosphere.

- Led an event with 10+ committee members and 20+ participants, ensuring smooth execution.
- Managed competition preparation with a 90% satisfaction rate and boosted enthusiasm by 20% through engaging door prizes
- Ensured 100% operational readiness by preparing and cleaning the competition area thoroughly.
- Prepared competition materials with a 100% success rate, meeting all requirements efficiently.

Skills, Achievements & Other Experience

- **Certification** (2025): Using advanced GitHub from Microsoft Learn
- **Certification** (2025): Introduction to prompt engineering with GitHub from Microsoft Learn
- **Certification** (2025): Responsible AI with GitHub Copilot from Microsoft Learn
- **Certification** (2025): Plan an Azure AI Document Intelligence solution from Microsoft Learn
- **Certification** (2025): Introduction to GitHub from Microsoft Learn
- **Certification** (2025): Fundamental AI from Microsoft Learn
- **Certification** (2025): Describe Cloud from Microsoft Learn
- **Certification** (2024): Cisco: Introduction to Data Science
- **Certification** (2024): Python Fundamentals for Data Science
- **Certification** (2024): R Fundamentals for Data Science
- **Certification** (2024): Microsoft Excel Training Program Upskilling Performance
- **Certification** (2024): Fundamental SQL Using SELECT Statement
- **Certification** (2024): FREECLASS: Data Science Fundamentals
- **Certification** (2024): Microsoft Azure Data Fundamentals
- **Certification** (2023): CCNAv7: Introduction to Networks
- **Personal Skill**: Leadership, Time Management, Team Management, Problem Solving, Empathy, Discipline, Adaptability, Hard Work
- **Technical Skills**: Python, CSS, HTML, PHP MyAdmin, Android Studio, Blender, Visual Studio Code, Google Colab, DrawIO, Figma, Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Canva, VirtualBox, Cisco Packet Tracer