

NAUFAL FAIZ NUGRAHA

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ABOUT ME

Currently I am a data science student at Surabaya State University who is enthusiastic about machine learning which is related to a deep understanding of machine learning algorithms. I am very interested in developing intelligent solutions through machine learning. And I have soft skills such as problem solving abilities, good teamwork, and effective communication.

PROFESSIONAL EXPERIENCE

Sherpa Academy – Internship

Data Analyst

May 2024 – Sept 2024

- Collaborated with project managers to identify bottlenecks and provide actionable insights using Python and Excel dashboards.
- Developed pain-gain analysis reports that helped prioritize 3+ key features in the product roadmap, improving team decision-making.
- Produced weekly performance summaries that led to more efficient sprint planning and resource allocation.

ID/X Partners – Project Based Internship

Data Engineer

Jan 2024 – Jan 2024

- Designed and implemented a scalable data warehouse using Talend, SQL Server, and SQL Server Agent to automate ETL pipelines for simulated retail sales data.
- Completed 6+ real-world case studies, including data modeling for OLAP cubes and troubleshooting ETL failures.
- Reduced data processing time by 40% through optimized SQL queries and scheduled jobs.

ID/X Partners – Project Based Internship

Data Scientist

Dec 2023 – Jan 2024

- Built predictive models using Python and scikit-learn to forecast customer churn in a telecom dataset with 80% accuracy.
- Conducted exploratory data analysis and hypothesis testing using SQL and pandas, leading to the identification of key customer segments.
- Describe a business understanding with an analytical approach to showcasing business impact through data driven recommendations.

ORGANIZATION EXPERIENCE

KOORDINATOR DOKUMENTASI DAN DEKORASI – Sidoarjo, Indonesia

Staff of Event Organizer

Jun 2021 – Jun 2022

- Responsible for arranging decoration for various school activities, such as sporting events, art exhibitions.
- Collaborate with team members to design themes and decoration concepts that suit the event goals.
- Coordinate documentation of school events, including photo taking, video editing, and poster editing.

EDUCATION

UNIVERSITAS NEGERI SURABAYA – Surabaya, Indonesia

Bachelor of Data Science, Faculty of Mathematics And Natural Science

Aug 2023 – Present

- Cumulative GPA : 3.48 out of 4.00.
- Built various academic projects using Python, including a GUI-based health dashboard and a restaurant queue simulation using Priority Queue data structure.

- Applied Machine Learning and Text Processing techniques to develop a Spam Classifier and conduct Sentiment Analysis on English text using TF-IDF and Naïve Bayes.
- Designed and implemented Relational Databases using SQL for hotel reservation systems, including ERD modeling and query optimization.

PKS DIGITAL SCHOOL – Sidoarjo, Indonesia

May 2023 – Jun 2023

Data Science Boot Camp, 89/100.00

- Learned and applied core concepts in Python Programming, Statistics, Data Analysis, and Machine Learning, supported by tools like Pandas, Matplotlib, and Scikit-Learn.
- Built an employee segmentation model using K-Means Clustering on 250 real-world employee data points to uncover behavior patterns.
- Applied oversampling techniques to handle class imbalance, resulting in better clustering performance and more accurate employee grouping.

SMA ULUL ALBAB – Sidoarjo, Indonesia

Jul 2020 – Jun 2023

Natural Science

- Cumulative GPA : 96.85 out of 100.
- Achieved national-level medals in OSAINS: Gold in Mathematics, and Bronze in Chemistry.
- Built a strong academic foundation in mathematics, natural sciences, and analytical reasoning.

ADDITIONAL

Technical:

- Hard skill : Python, Machine Learning, Deep Learning, Statistics, Data Visualization, Data Analysis, MySQL, PostgreSQL, Pyspark, Data Mining, NLP, LLM.
- Soft skill : Critical Thinking, Communication Skill, Problem Solving.

Languages:

- Indonesia – Native.
- English – Basic.

Certifications & Training:

- Data Science Basic Batch 4 : Final Project Grade (89/100) - PKS Digital School.
- Data Series Fair Data Engineer - Dibimbing.
- Microsoft Azure Data Fundamentals - Talenta AI Indonesia.
- Data Series Fair Data Science - Dibimbing.