

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

Badan Pusat Statistik Sidoarjo – Internship

Data Research Analyst

Aug 2025 – Dec 2025

- Performed data cleaning, processing, and statistical analysis using Python and Microsoft Excel to support internal reports.
- Developed an automated news analysis tool using python and LLM for topic extraction and summarization from google sheets data, significantly accelerating information monitoring and analysis workflows.
- Built a web-based data input form using google apps script, integrated with google sheets to streamline data collection and validation processes.

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.

EDUCATION

UNIVERSITAS NEGERI SURABAYA – Surabaya, Indonesia

Aug 2023 – Present

Bachelor of Data Science, Faculty of Mathematics And Natural Science

- Cumulative GPA : 3.6 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.

ADDITIONAL

Technical:

- Hard skill : Python, Machine Learning, Deep Learning, Statistics, Data Visualization, Data Analysis, MySQL, PostgreSQL, Pyspark, Data Mining, NLP, LLM, Airflow.
- 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.