

# MUHAMMAD FHARAHBI FACHRI

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## About Me

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Informatics student at Ahmad Dahlan University with a strong interest in Data Science, Data Analysis, and Machine Learning. Proficient in data handling and Microsoft Excel, with excellent analytical skills and high attention to detail. Quick learner, adaptable, and passionate about transforming data into actionable insights to solve real-world problems.

## Education

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**Universitas Ahmad Dahlan**  
Informatic  
GPA: 3.68

August, 2022 – Present

## Experience

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### Team Data(Student Employee ) - LPSI

Mei, 2025 – August, 2025

- Help to record students for Baitul Arqam
- Process student, staff and lecturer data
- Processing and recording Baitul Arqam material
- Sentiment Analysis of Baitul Arqam Activities
- Data Analysis with excel of Student Tahsin Values

### Machine Learning - Coding Camp Powered by DBS Foundation

February, 2025 – July, 2025

- Creating a capstone project for Yogyakarta tourism recommendation system website
- Active in the team capstone by contributing to collecting data, visualizing and building machine learning models.
- Completed 12 learning module
- Completed 7 submission of data analysis and machine learning

### Data Science - Indosar Ooredoo Camp

October, 2024 – December, 2024

- Completed 6 learning modules.
- Complete 2 Submission of data analysis and machine learning
- For data analysis using python and creating dashboards using streamlit.
- For machine learning submission, perform clustering using k-means, then after the cluster results are obtained, perform classification based on the clusters obtained.

### Data Structure Laboratory Assistant - Informatic Department

August, 2024 – December, 2024

- Explaining practicum-related materials to practitioners such as linklist, class, and binary search tree.
- Inputting the assessment of the practitioner's work, recapitulating the grades to the lecturer.

### Programing Algorithm Laboratory Assistant - Informatic Department

February, 2024 – July, 2024

- Explaining practicum-related materials to practitioners such as Binary short, bubble short, sequences,
- Inputting the assessment of the practitioner's work, recapitulating the grades to the lecturer.

Skills & Competencies

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- **Microsoft Excell / Spreadsheet :**
  - **Formulas:** VLOOKUP, HLOOKUP, XLOOKUP, IF, IFS, COUNTIF, SUMIF, SUMPRODUCT, INDEX-MATCH
  - **Features:** PivotTable, Data Validation, Conditional Formatting, Charts/Graphs.
  - **Use Case:** Data analysis, dashboards, and reporting.
- **Exploratory Data Analysis:**
  - Proficient in using Pandas, Matplotlib, and Seaborn for data cleaning, pattern discovery, and visualization.
  - Able to identify trends, detect anomalies, and derive insights from raw datasets.
- **Data Modeling & Machine Learning:**
  - Experienced in building predictive models using Linear Regression, Decision Trees, and Clustering (e.g., K-Means).
  - Familiar with Scikit-learn, TensorFlow, and model evaluation metrics for supervised and unsupervised learning tasks.
- **Analytical Skill:**
  - Strong ability in interpreting data patterns, formulating hypotheses, and extracting actionable insights.
  - High attention to detail and accuracy in managing and analyzing numerical data.
- **Visualisation:**
  - Skilled in designing informative and interactive visualizations using Matplotlib, Seaborn, Plotly, and Excel.
  - Able to translate complex data into visual narratives for better decision-making.
- **Tools Proficiency:**
  - **Google Colab:** Python-based analysis, model training, and visualization.
  - **Excel/Spreadsheet:** Advanced formulas, PivotTables, and visual reporting
  - **Visual Studio Code:** Dashboard development with Streamlit, web scraping, and coding in C++ and Java

Additional Information

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**Technical & Soft Skills:** Time management, Team Working, Problem Solving, Communication, Finance.

<b>Certification:</b>	1. Coding Camp Powered by DBS Foundation	July 2025
	2. Data Visualisation, Dicoding	February 2025
	3. Machine learning development, Dicoding	April 2025
	4. Football Statistics Training, LPO PP Muhammadiyah	March 2024
	5. Data Science Basic, Dicoding	September 2024