

AHMAD ZAENAL HAYAT

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PROFESSIONAL SUMMARY

A Data Analyst with a background in Physics and experience in workplace safety data analysis. Proficient in Python, SQL, Power BI, and Tableau for data analysis, visualization, and data-driven decision-making. Experienced in developing interactive dashboards and conducting trend analysis to support HSE strategies. Passionate about contributing to a Data Analytics team.

EXPERIENCE

PT. Indonesia Pratama Multipak – Sidoarjo, Indonesia

HSE & GA Staff (Nov 2022 - Present)

- Developed an interactive HSE Dashboard using Excel to visually present workplace safety data to the team.
- Analyzed workplace accident trends based on historical data to identify patterns and provide risk mitigation recommendations.
- Utilized data analytics to evaluate the performance of the General Affairs (GA) team, including efficiency in cleaning services and building maintenance.

EDUCATION

Universitas Jember – Jember, Indonesia

Bachelor in Physics (Science) (Aug 2015 - Aug 2019)

- Developed an interactive HSE Dashboard using Excel to visually present workplace safety data to the team.
- Analyzed workplace accident trends based on historical data to identify patterns and provide risk mitigation recommendations.
- Utilized data analytics to evaluate the performance of the General Affairs (GA) team, including efficiency in cleaning services and building maintenance.

TRAINING

MySkill - Online Course (Mar - Oct 2024)

- Studied Data Analyst concepts using Python and SQL, along with Basic Data Science.
- Learned ETL processes, Data Cleansing, Exploratory Data Analysis, and Data Visualization.
- Worked with tools such as MySQL, Python, Jupyter Notebook, Google Colab, Power BI, and Google Looker Studio.
- Completed projects and built a Data Analyst portfolio.
- [[Certificate Link: GDrive](#)]

DQ Lab – Online Course (Aug - Dec 2023)

- Studied Data Analytics and Data Science using Python.
- Learned ETL processes, Data Cleansing, Exploratory Data Analysis, and Data Visualization.
- Worked with Python and Jupyter Notebook.
- [[Certificate Link: GDrive](#)]

PORTFOLIO

Interactive HR Dashboard (Tableau)

- Objective: Assist HR in visualizing workforce data interactively.
- Method: Built a dashboard using Tableau based on a dummy dataset.
- Tableau: [[Link ke proyek](#)]

Interactive Finance Dashboard (Power BI)

- Objective: Analyze spending and savings trends for financial decision-making.
- Method: Used Power BI for financial data visualization.

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- *GitHub:* [\[Link ke proyek\]](#)

Brain Tumor Classification using CNN & TensorFlow (Python)

- Objective: Develop a deep learning model using Convolutional Neural Networks (CNN) to classify brain tumors from MRI scans.
- Method: Used a Kaggle MRI dataset consisting of four classes (Glioma, Meningioma, Pituitary Tumor, and Healthy).
- Technologies: TensorFlow, Keras, Python (Pandas, NumPy, Matplotlib, Seaborn).
- Impact: Achieved a validation accuracy of 80%, improving brain tumor detection accuracy.
- *GitHub:* [\[Link ke proyek\]](#)

Cohort Retention Analysis untuk Data Retail Online (Python)

- Objective: Analyze customer retention patterns using cohort analysis to enhance customer loyalty.
- Method: Utilized Python (Pandas, Matplotlib, Seaborn) to process data and create a heatmap visualization.
- Impact: Helped identify a 20% decline in customer retention within the first six months.
- *GitHub:* [\[Link ke proyek\]](#)

Superstore Sales and Product Retention Analysis (MySQL)

- Objective: Analyze sales trends and product returns to improve marketing strategies.
- Method: Used SQL queries to identify sales trends and customer segmentation.
- Impact: Optimized data-driven marketing strategies.
- *GitHub:* [\[Link ke proyek\]](#)

SKILLS

Technical Skills

- Data Analysis: Exploratory Data Analysis (EDA), Data Preprocessing, Trend Analysis, Statistical Analysis, Predictive Modeling
- Database Management: SQL (MySQL, PostgreSQL), ETL Process
- Data Visualization: Power BI, Tableau, Google Looker Studio, Microsoft Excel
- Programming & Scripting: Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, Scikit-Learn)

Soft Skills

- Analytical Thinking, Problem Solving, Collaboration, Time Management, Adaptability, Public Speaking
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