

# KELLY MAE

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## SUMMARY

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Diligent and passionate Information Systems student from Multimedia Nusantara University with strong analytical and creative thinking skills. Proficient in SQL, Python, and Power BI, complemented by a solid foundation in data analysis and visualization. Demonstrated problem-solving and organizational skills through various projects and opportunities. An enthusiastic individual with a strong willingness to learn and is ready to embrace any challenge.

**Interest: Data Analyst, Data Scientist**

## EXPERIENCES

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### Growth Data Intern | Astra Financial · Internship

Feb 2023 – Jan 2024

- Maintained data integration, data flow, data scheduling, data visualization, and data analysis to ensure seamless data operations.
- Day to day gathered and analyzed data using SQL, or PostgreSQL, providing actionable insights for various business needs.
- Utilized Microsoft Power BI and Google Looker Studio to design prototypes and create visualization dashboards, facilitating real-time data analysis and enabling informed decision-making by key stakeholders.
- Developed automated script to reduce team manual workload, and performed in-depth data analysis to forecast performance using Python, resulting in data-driven recommendations for strategic business decisions.

### Laboratory Assistant | Multimedia Nusantara University · Part Time

Jan 2022 – Jun 2022

- Delivered weekly learning modules to understand the basic concepts and easily analyze topics in Probability and Statistics.
- Explained key statistical concepts, including descriptive statistics, hypothesis testing, and linear regression modeling using R Programming Language.
- Assisted over 35 students in solving problems and applying theoretical concepts through programming using RStudio.
- Analyzed and graded students' weekly assignments, providing detailed feedback to monitor the students' progress.

## EDUCATION

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- **Multimedia Nusantara University** Aug 2020 – Jul 2024  
**Bachelor of Computer Science | Information Systems** GPA: 3.94/4.00  
Big Data Analytics, Data Modeling, Data Visualizations, Database Systems, Data Analysis, Probability and Statistics

## ORGANIZATIONAL EXPERIENCES

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### Documentation Division Coordinator | Arunakara 2022

Apr 2022 – Sep 2022

- Coordinated all documentation activities required for the success of the event, including creating Instagram stories, Zoom Virtual Backgrounds, banners, member ID cards, lanyards, and twibbons.
- Assisted and supported the visual team in the creation and execution of design elements for the event.
- Delivered high-quality design solutions under extremely tight deadlines.

## SKILLS

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- Hard Skills: SQL, PostgreSQL, Python, PowerBI, R, DBeaver, Google Big Query, Google Looker Studio, Tableau, SAS.
- Soft Skills: Problem-Solving, Attention to Detail, Critical Thinking, Curiosity, Creativity, Responsibility, Teamwork.

## PROJECTS

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- **Collection Intensity Scoring and Channel Recommendation | Data Analysis (PostgreSQL, Python, R)** 2024  
Performed ETL for data integration using PostgreSQL, developed a Random Forest classifier to categorize collection intensity and a K-Nearest Neighbors Regressor for predicting interaction counts in recommended channels. Implemented model optimization using Grid Search and Bayesian Optimization in Python, and conducted statistical tests using R. Results showed Bayesian Optimization's superior performance in both models, achieving 98.34% accuracy and an MAE of 0.24530.
- **France Accident Cases Report | Data Visualization (Tableau)** 2022  
Generated a story of dashboards using Tableau to visually explore detailed accident cases in France from 2005 to 2016, categorized by department, accident situation, and citizen involvement.