

MOHAMAD MAULANA FIRDAUS RAMADHAN

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About Me

I am a driven and detail-oriented individual with a strong foundation in data analysis and a passion for leveraging data to solve complex problems. My experience includes working on diverse projects that involve data cleaning, analysis, and visualization, showcasing my ability to extract meaningful insights from complex datasets. I am particularly interested in applying my skills in a dynamic and innovative environment, where I can contribute to impactful projects while continuing to grow and develop professionally. My commitment to continuous learning and my ability to work both independently and collaboratively make me a valuable addition to any team.

Education

Bandung Institute of Technology

- Bachelor of **Information System and Technology**

Bandung, INA

June 2022 – 2026 (expected)

Experience

STEI-K Student Council

Database Division Staff

Bandung, INA

November 2022 – October 2023

- Gathered, Managed, and Processed data from students to create information needed.
- Generated Analytics from data using **python pandas** and **excel**.
- February 2023 Best Staff from Database Division.

Google Developer Student Club ITB

Curriculum Developer

Bandung, INA

September 2023 - Present

- Prepared the guidebook materials for each learning path which contained roadmaps, tasks, tips, and chapter objectives.
- Prepared the handbook for the speaker which contained topics discussed in the technical and non-technical workshops.
- Assigned members the tasks from the guidebook periodically.
- Searched for projects that won competitions like hackathons to prepare for the Google Solution Challenge.
- Assigned members the project-based learning tasks to enhance their skills.

Quarter.id

Business Analyst Intern

Remote

September 2023 - Present

- Managed tailored newsletters which included research and analysis of the latest financial news.
- Managed distribution lists and databases for external communications, publications, and external affairs activities.
- Led the development and maintained a communication dashboard to track KPIs.
- Created marketing strategies for promotional purposes.

Himpunan Mahasiswa Informatika ITB

Competition and Community Staff

Bandung, INA

October 2023 - Present

- Helped HMIF ITB members to develop their interests and talents in competitions within the scope of informatics.

Kalbe Nutritionals (PT Sanghiang Perkasa)

Project-Based Virtual Intern : Data Scientist Kalbe Nutritionals x Rakamin Academy

Remote

October 2023 - Present

- Finishing various task related with the activity of Data Scientist from **Kalbe Nutritionals (PT Sanghiang Perkasa)**, such as Data Analysis, Machine Learning Implementation, and Business Acumen

Leadership & Volunteer Activities

**Novo Club Batch 2 By ParagonCorp
Paranovo**

Bandung, INA
February 2023 – Present

- **Studied** about **Communication, Personal Branding, Time Management, Design Thinking, Innovation, Critical Thinking** and **Problem Solving** from Leadership Bootcamp.
- **Lead** Group Project Roadshow PSP ITB 2023

Project

- **UTBK Score Analysis** [\[Result\]](#)
Analyzed the distribution of UTBK scores to enter STEI-K ITB using **python pandas** and **excel**.
- **AirBnB Analysis** [\[Dashboard\]](#)
Analyzed the AirBnB dataset in Seattle during 2016 using **Tableau**.
- **Predicting Credit Card Approvals** [\[Result\]](#)
Built an automatic credit card approval predictor using **machine learning** techniques.
- **Automated Traffic Condition Monitoring for Accident Detection Using YOLOv8** [\[Result\]](#)
Conducted research and built object detection model to infer possible anomaly made using **YOLOv8**.
- **Natural Language Processing for Sentiment Analysis Using Bidirectional GRU** [\[Result\]](#)
Conducted research and built model for NLP sentiment analysis from tweets using bidirectional GRU.
- **Quantity Prediction And Customer Segmentation** [\[Result\]](#)
Implemented a model for quantity prediction using regression techniques and segmented customers into distinct clusters using k-means clustering.
- **Time Series Forecasting of Average Vehicle Speed Using the XGBoost Algorithm** [\[Result\]](#)
Implemented time series forecasting to predict average vehicle speed utilizing the XGBoost algorithm.
- **Customer Segmentation and Churn Prediction: Strategies for Optimizing Customer Retention in the Telecommunications Industry** [\[Result\]](#)
Developed a comprehensive customer segmentation and churn prediction strategy to enhance customer retention in the telecommunications industry.

Honor and Reward

- **[National] GEMASTIK XVI Data Mining, Finalist – (2023)** [\[Certificate\]](#)
Selected as one of the 20 finalists in the qualification round to compete in final round. Competing directly to create and provide leading Machine Learning model to solve given domain problem corresponding to competition theme.

Certification

- **Data Analysis Certification From FreeCodeCamp** [\[Certification\]](#)
Gained hands-on experience with various data analysis libraries and tools in **Python**, including **NumPy, Pandas, Matplotlib** and **Seaborn**.
- **Data Scientist Professional Certificate** [\[Certification\]](#)
Certified through timed assessments and technical exam and presentation involving **Data Management, Exploratory Analysis, Statistics, Model Development, Coding for Production Environments**, and **Data Communication**.
- **Data Analyst Professional Certificate** [\[Certification\]](#)
Certified through timed assessments and technical exam and presentation involving **Data Management, Analytic Fundamentals, Exploratory Analysis, and Visualization and Reporting**.
- **Machine Learning with Python From FreeCodeCamp** [\[Certification\]](#)
Learn machine learning using the Python programming language.
- **Certificate of Achievement - Kalbe Nutritionals (PT Sanghiang Perkasa) Data Scientist Project Based Internship** [\[Certification\]](#)
Awarded a certificate of achievement after demonstrating proficiency in Data Management, Exploratory Analysis, Statistics, Model Development, Production Coding, and Data Communication during the Kalbe Nutritionals Data Scientist Project-Based Internship Program.