Muhammad Faizal Ramadhan

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EDUCATION

INSTITUT TEKNOLOGI BANDUNG
Bachelor of Engineering, Civil Engineering   *Sep 2020 – Aug 2024*

EXPERIENCES

BANK INDONESIA
Data Scientist Intern – Reserve Management Department   *Feb 2024 – Jun 2024*
- Developed econometrics and machine learning models for multivariate forecasting of U.S. Dollar index, acquiring 60% increase in accuracy compared to existing model
- Streamlined fixed-income portfolio market value simulation model on Microsoft Excel using VBA and Bloomberg Terminal resulting in 50% reduction of load and computational time
- Utilized Microsoft Power Apps to create weekly investment decisions tracker and Microsoft Power BI to develop 2 dashboards for portfolio market value report.

BANK MANDIRI
IT Apprentice – My Digital Academy   *Des 2023 – Jan 2024*
- Involved in an end-to-end product development on money management mobile apps for kids
- Created hi-fi UI prototype, brand design, and more than 5 visual assets for mobile apps
- Utilized Outsystems as a low-code mobile development environment

BANGKIT ACADEMY LED BY GOOGLE, GOTO, AND TRAVELOKA
Machine Learning Cohort   *Feb 2023 – Jul 2023*
- Graduated with distinction (top 10%) and officially certified as TensorFlow Developer
- Developed demand forecasting feature using TensorFlow and LSTM architecture for a marketplace management app

SAMSUNG ELECTRONICS INDONESIA
Samsung Xternship Program Trainee (Sales and Marketing)   *Oct 2022 – Nov 2022*
- Working with a team of 4 in developing go-to market strategy for Samsung Galaxy Tab S8, employee retention strategy at Samsung office, and partnership scheme of Samsung B2B Team with ITB
- Become the selected 18 best participants out of 75 participants and landed an internship offer (opted out due to university academic regulations)

HARISENIN.COM
Market Research & Data Analyst Intern   *Apr 2022 – Jun 2022*
- Executed prescriptive analysis and research on Q1 Instagram data to figure out the root cause of Engagement Ratio drop
- Performed analysis & created 2 dashboards for Event Marketing report using Google Data Studio (Looker Studio)

AWARDS

2nd WINNER DAM INNOVATION COMPETITION
CEIC by Himpunan Mahasiswa Sipil Universitas Diponegoro   *May 2024*

2nd RUNNER UP RENEWABLE ENERGY CASE STUDY COMPETITION
OCEANO by Himatekla Institut Teknologi Sepuluh Nopember   *Oct 2022*

1st HONORABLE MENTION OF BUSINESS CASE COMPETITION
ENTERNS by Faculty of Engineering Universitas Indonesia   *Sep 2022*

ADDITIONAL

Tools: Python, MySQL, TensorFlow, Power BI, Power Apps, Tableau, Looker Studio, R

Certifications: TensorFlow Developer Certification, Statistics for Macroeconomics Account

Languages: Native Proficiency in Bahasa Indonesia; Professional Proficiency in English