Muhammad Hafizh Bayhaqi

Jakarat, Indonesia | +62-899-1072-345 | mhb.hafizh.bayhaqi@gmail.com | linkedin.com/in/mhafizhbayhaqi |
https://mhb.godev.co.id/ | https://github.com/anakcoding/

EXPERIENCE

PKBM NARA KREATIF   **Jakarta, Indonesia**
Full Stack Developer | Contract Based   *Mar 2022 – Present*
- **Designed and developed a comprehensive web platform** for school exams, including integrated Learning Management System (LMS), online assessments, and QR code-based attendance tracking, improving operational efficiency and accessibility for educational institutions.
- **Built front-end and back-end solutions**, utilizing technologies like PHP, MySQL to ensure responsive and user-friendly interfaces for students, teachers, and administrators.
- Developed a **QR code-based attendance system**, enabling real-time student check-ins and reducing manual attendance errors by 40%.
- **Implemented secure, scalable database architecture** to manage user data, exam records, and attendance logs, ensuring compliance with educational standards and data privacy regulations.
- **Provided technical support** and conducted training sessions for school staff, ensuring smooth adoption and efficient use of the system, leading to a 25% increase in system utilization.

EDUCATION

Purwadhika Digital School – Data Science and Machine Learning   *Okt 2024 - Feb 2025*
- Focused on advanced concepts in **Data Science**, **Machine Learning**, and **AI**, mastering tools and techniques for building scalable, data-driven solutions.
- Gained hands-on experience with **Python**, **SQL**, and data manipulation libraries to solve real-world business problems.
- Collaborated on diverse projects to apply data science theories to real datasets, gaining expertise in model building, data preprocessing, and analysis.

PROJECTS

Text Mining for Sentiment Analysis on Free Nutritious Food Program   *Feb 2025*
- Applied sentiment analysis and topic modeling to assess public opinion on the Free Nutritious Food Program, analyzing discussions across social media platforms.
- Identified key sentiment trends, including a positive spike on January 31, 2025, after MSME involvement and a negative sentiment on February 7, 2025, due to budget cuts.
- Provided actionable recommendations for ongoing sentiment monitoring, improved program transparency, and optimized budget allocation for balancing essential sector funding.

Stock Price Prediction for ISAT.JK using Time Series Forecasting   *Feb 2025*
- Collected and analyzed historical stock data (open, close, high, low, volume) to forecast ISAT.JK's closing stock price over 7-30 days.
- Developed and compared time series models (ARIMA, SARIMA, Prophet), achieving the best performance with the Prophet model (MAE: 116.80) for short-term predictions.
- Provided strategic recommendations for investors, including model monitoring, combination with other models, and leveraging predictions for long-term investment strategies.

Optimization Evaluation of Pink Bus Fleet Placement in TransJakarta   *Jan 2025*
Analyzed and optimized the placement of the Pink Bus fleet in TransJakarta's Bus Rapid Transit (BRT) system to improve safety and comfort for female passengers.
- **Conducted in-depth analysis** of passenger data across multiple TransJakarta corridors to evaluate the effectiveness of the Pink Bus fleet placement.
- Identified **low passenger density** in several corridors served by Pink Buses, revealing misalignment with demand.
- Developed **data-driven recommendations** for optimizing fleet placement, including prioritizing high-density and female-dominant corridors.
- Suggested **ongoing monitoring** of passenger data to enable regular adjustments in fleet deployment for continued operational efficiency.

SKILLS & CERTIFICATES

Technical: SQL, PHP, JavaScript, HTML/CSS, C#, Python, Dart, Java;
Languages: Fluent in Indonesia, English;
Certifications & Training: Building and Securing RESTful APIs in ASP.NET Core (2018) (Linkedin Learning)