

Muhammad Tegar Wiratama Pohan S.T.

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SUMMARY

Fresh graduate in Informatics Engineering from Institut Teknologi PLN with a strong foundation in programming (C++, Python, Java) and hands-on experience in data analysis using SQL, Excel, and data visualization tools. Completed the Bangkit Academy 2024 – Machine Learning Cohort, with experience in developing and deploying real-world ML models and backend systems. Holds multiple industry-recognized certifications in Machine Learning, TensorFlow, and Cybersecurity. Adept at problem-solving, team collaboration, and cross-functional communication, with a strong interest in AI, cloud computing, and software product development. Eager to contribute to data-driven decision-making and scalable tech solutions in fast-paced environments.

EDUCATION

INSTITUT TEKNOLOGI PLN - Jakarta

Bachelor's Degree in Informatics Engineering

September 2021 - February 2025

- Current GPA : 3.52 / 4.00
- Concentration : Data Science and Computer Network
- Relevant Courses : advanced data structure, advanced database, machine learning, computer networking, introduction to big data.

INTERNSHIP EXPERIENCE

BANGKIT ACADEMY 2024 led by Google, GoTo, and Traveloka

Feb 2024 - Juli 2024

Machine Learning Cohort

- Lead the development of data-based solutions as part of the Machine Learning Cohort.
- Design and build Machine Learning to support mobile application development.
- Deploy app models to the Machine Learning, ensuring smooth integration with the mobile development team.
- Optimize model Machine Learning for performance, scalability, and cost efficiency.
- Collaborate with team members to ensure the delivery of a functional and user-friendly application.
- Contribute to the development of solutions that enhance the mobile app's backend functionality and performance.

Badan Riset dan Inovasi Nasional (BRIN RI) - Internship

Aug 2024 - Nov 2024

Data and Information Center

- Assist in the anonymization of data used for analysis and research purposes.
- Implement data processing techniques to ensure personal information is not identifiable.
- Ensure that the anonymization process adheres to applicable data security standards.
- Assist in cleaning raw data to remove errors or duplicates.
- Identify and correct missing or inconsistent data.
- Assist in using and configuring Apache Superset for data visualization.
- Create dashboards and interactive reports to support data-driven decision-making.
- Collaborate with the team to enhance the efficiency of Superset in data analysis.

Laboratory Assistant – ITPLN (Computer Networks & Embedded Systems) - Contract

Des 2023 - Feb 2025

Coordinator Assistant

- Assisted lecturers in delivering practical sessions on Computer Networks, Microprocessors, Digital Systems, and Embedded Programming
- Prepared and maintained lab modules and technical materials for student use
- Configured software and simulation tools for hands-on lab activities
- Led a team of 24 assistants to manage daily lab operations and support logistics
- Supervised inventory control to ensure availability of equipment and materials

- Entered, extracted, and updated tens of thousands of data in the company's database and systems.
- Utilized software such as MS Excel, Zeus, and Zendesk for daily tasks.
- Collaborated with other departments to process work-related data efficiently.
- Identified and corrected data discrepancies to minimize errors and improve accuracy.

ORGANIZATION AND COMMITTEE

Webinar Softskill "Bagaimana Defensive Security Dapat Mengatasi Serangan Cerdas"

October 2024

Coordinator

- Planning and preparation for the event (Creating schedule, and form committees)

LKMM PRA-TD

October 2023

Staff Occupational Health and Safety

- Create event rules
- Ensure the rules are followed during the event

KARISMA REINASANCE

September 2023

Mentor

- Conduct campus introduction training to new students who have registered and followed a series of opening agendas before lectures begin.
- Guided new students in campus orientation and adaptation

UNIVERSITY PROJECT

Dedication Project Called "Vertikal Farming"

Mei 2023 - Nov 2024

- Conducted collaborative research projects with lecturers to explore and address key topics and challenges in the field of study.
- Developed a comprehensive framework and systematic development method to select and implement the most suitable machine learning techniques for specific applications.
- Designed and deployed cloud computing architectures to support and enhance the implementation of advanced computational methods, ensuring scalability and efficiency.

SKILLS

Programming Language : C++, C, Python, R, SQL, HTML, CSS, PHP, JavaScript, Linux.

Technical Skills: OOP in Programming, analyzing data, computer network.

Tools & Platforms: MS Office (Ms Word, Ms Excell, Ms Power Point, Power Automate, etc), Canva, VSCode, SQLite, GitHub, Apache Superset, Cisco, Mikrotik, Google Colab, Canva

Soft Skills: Time Management, Team Work, Project Management, and Communication, Problem Solving.

Language : Indonesia (Native), English (Medium), Melayu (Fluent).

COURSES CERTIFICATE

- TensorFlow Developer Certificate - DeepLearning.AI (2024)
- Machine Learning Specialization - Andrew Ng, Stanford (2024)
- Mikrotik Certified Network Associate - Mikrotik(2024)
- Microsoft Office Specialist - Microsoft(2024)
- Junior Cyber Security - BNSP (2024)
- Google: Using Python, Data Cleaning, Data Visualization - Coursera(2024)
- Dicoding: Machine Learning & SQL Basics - Dicoding(2024)
- B2 Upper Intermediate - EF SET English Certificate (2025)