MOHAMMAD DHIKRI

Data Analyst, Data Scientist, Data Engineer,
Web Programmer

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Qualification Profile

Highly skilled data professional with a Bachelor's in Computer Science. Proficient in SQL, Python, and data visualization tools like Tableau and Power BI, I hold certifications as a Data Analyst and Data Scientist. My impactful projects range from sentiment analysis to urban farming apps. An adept instructor, I share my expertise with government ministries, teaching data visualization and big data analytics. My dedication to innovation and problem-solving is evident through my versatile skill set and substantial project experience.

Relevant Skills

- SQL (PostgreSQL, MySQL)
- Power BI
- Tableau
- Python
- Pandas
- Express JS
- Tensorflow
- Pytorch
- Microsoft Excel
- Laravel
- Vue JS
- React JS
- Trello, JIRA
- Django
- AWS Management Console
- Apache Spark
- Computer Vision
- Natural Language Processing
- Version Control (Git)
- WebGoat
- ArcGIS (JS, Python)
- Redis
- Docker

Education

Padjadjaran University   (08/2018 – 01/2022)
Bachelor of Computer Science with 3.65 GPA

Achievements

- Certified as a **Data Analyst Associate** by DataCamp (Expiry date: 06/12/2025)
- Certified as a **Data Scientist Associate** by DataCamp (Expiry date: 06/08/2025)
- Certified as a **Data Scientist Professional** by DataCamp (Expiry date: 07/20/2025)
- Certified as a **Data Analyst Professional** by DataCamp (Expiry date: 08/04/2025)

Projects

- **Research Assistant** in Telkom University | Twitter Markov Chain Analysis
- **Research Assistant** in Telkom University | Information Diffusion using Evolutionary Machine Learning
- **Data Scientist** | Recipe Site Traffic (Data Scientist Professional Certificate at DataCamp)
- **Data Analyst** | Pen and Printers (Data Analyst Professional Certificate at DataCamp)
- **Full Stack Engineer** | Housing and Transportation Calculator (United Nation Big Data 2022)
- **Scrum Master** and **Frontend Developer** | Development of Prabu 2021 and Prabu 2022 (web application for university orientation)
- **Backend Developer** and **AI Engineer** | Development of UFARMING (mobile app for urban farming)
- **Fullstack Engineer** | Development of Booklet Web Application
- **Frontend Developer** | Development of Epicentrum 2021 and Epicentrum 2022 (web application for university events)
- **Data Scientist** |Fitness Class (Data Scientist Associate Certificate at DataCamp)
- **Business Analyst** | Food Claims (Data Analyst Associate Certificate at DataCamp)
- **Project Manager** and **Backend Developer** | Development of IFEST 2020 (web application for university events)
- **Backend Developer** | Development of FERMA (mobile app for urban farming)

- **Scrum Master** and **Backend Developer** | Development of PolyClub (Online meeting application)
- **Data Analyst** | National Highway Traffic Safety Administration (NHTSA) Crash Analysis in Refocus Projects
- **Business Analyst** | Food Story Cloud Kitchen Analysis in Refocus Projects
- **Data Analyst** | FIFA 2018 Analysis Rapid Project
- **Data Analyst** | Indonesian Ministry of Information and Communication Performance Evaluation Application Project
- **Machine Learning Engineer** | Creation of Highway Surveillance Application with Computer Vision (Genio)

Work Experience

Senior Data Scientist at Fortech Indotama

Jakarta (Feb 2023 – Present)

- Scraped the website of the Forestry Service, Constitutional Court to carry out the analysis process and create a visual dashboard of the analysis results with Tableau and Power BI.
- Conducted sentiment analysis from Twitter to see people's views on public policies and issues that are circulating.

Data Scientist and Python Engineer (Contract) at Global Data Inspirasi

Yogyakarta (Jun 2022 – Feb 2023)

- Experienced in analyzing data signals from gadgets using Python and Scikit-Mobility library to improve public transportation services efficiency by up to 25%.
- Proficient in creating an interactive dashboard to evaluate the Ministry of Communication and Informatics' performance for the last 3-5 years, contributing to the development of the ministry's performance by up to 20%.
- Expertise in developing an application website using ArcGIS and JavaScript to view population density, costs, and carbon emissions per trip, simplifying the handling of housing and transportation issues in big cities by up to 15%.

Data Scientist (Internship) at Kazee Digital Indonesia

Yogyakarta (Mar 2021 – Jun 2021)

- Building a ChatBot using NLU (Natural Language Understanding) with the Rasa library. Adding NLU can increase satisfaction and experience by up to 30%.
- Understand Indonesian grammar patterns to process Natural Language Generation using the Transformers library. By doing this, it can improve the engine by up to 25%.

Research Experience

- Mask User Detection Application Using USB Camera with Residual Network Method
- Development of Sentence Generating Program from Sentences using POS Tagging, Sentiment Analysis, and Intent Detection

Completed Training and Courses

- Data Engineer Carrer Track | DataCamp
- Data Scientist with Python Career Track | DataCamp
- Image Processing with Python Track | DataCamp
- Deep Learning with Python Track | DataCamp
- Creative Problem Solving | University of Minnesota
- Programming Fundamentals | Duke University
- HTML, CSS and Javascript | Johns Hopkins University
- Python and Django Full Stack Web Developer Bootcamp | Jose Portilla (Udemy)
- Microsoft Power BI Desktop for Business Intelligence (2023) | Maven Analytics
- Big Data with PySpark Track | DataCamp
- Technical Support Fundamental | Google

Instructor Experience

- **Data Visualization Class** with Power BI and Tableau for The Indonesia Ministry of Foreign Affairs (2023)
- **Data Visualization Class** with MS Excel and Tableau for The Ministry of Education and Culture (2023)
- **Big Data Analytics Class** with Python and Power BI for The Ministry of Education and Culture (2023)
- **Scrum Master Class** for The Indonesia Ministry of Investment (2023)
- **Python Programming Django** for The Indonesia State Civil Service Agency (2023)