

FIKRI AZIZ SHALAHUDDIN

Data Scientist | Data Analyst

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SUMMARY

Data Scientist with hands-on experience building machine learning systems, data pipelines, and integrated analytics platforms. I have worked on end-to-end solutions, from data collection and cleaning to model development and dashboard deployment. My recent work focuses on automating document verification, improving cross-unit data integration, and developing scalable reporting systems used in daily decision-making.

WORK EXPERIENCE

DATA ANALYST | DATA SCIENTIST | BI ENGINEER

Universitas Padjadjaran

(February 2022 - present)

- Developed and currently maintain [Satu Data Unpad](#), an integrated dashboard platform that consolidates academic, financial, and research data from more than **32** university units into a single reporting system.
- Increased dashboard adoption for decision-making to **84%**, exceeding the initial **50%** target by improving usability, data reliability, and stakeholder engagement.
- Improved inter-unit data integration from **50%** to **70%** by restructuring ETL processes and standardizing data formats across departments.
- Built a machine learning-based document verification system in Python to support student document validation and reduce manual review workload.
- Implemented a computer vision pipeline for extracting and validating data from scanned physical documents, enabling direct integration with the academic registration system.
- Automated external data ingestion and synchronization using Python and n8n, integrating data from multiple government and institutional platforms.
- Managed and continuously improved the university data warehouse and developed executive dashboards using Power BI to support leadership reporting needs.

DATA SCIENTIST INTERN

PT. Toyota Motor Manufacturing Indonesia

(April 2021 - October 2021)

- Developed a classification model to predict welding defects in the production line, supporting quality control improvement efforts.
- Conducted production data analysis to identify inefficiencies and areas for process optimization.
- Contributed to the transition toward cloud-based data storage and standardized production data recording practices.

DATA ANALYST

Nolimit Indonesia

(October 2020 - January 2021)

- Analyzed social media data and performed sentiment analysis to generate campaign performance insights for clients.
- Prepared weekly and monthly performance reports and presented findings to support strategic decision-making.

PROJECT EXPERIENCE

• Building Chatbot AIPAD : Smart Data Request Assistant

Developed AIPAD, an AI-powered chatbot using NLP to automate data request handling at Universitas Padjadjaran. Deployed on Telegram, the system processes user queries in real time by identifying key information and generating accurate responses. The solution reduced manual workload and significantly improved response time and accessibility of university data.

Project Link: [AIPAD Chatbot](#)

• Building Performance Analysis Dashboard for Academic Program

Led the development of a performance analysis dashboard to support strategic evaluation of academic programs at Universitas Padjadjaran. Collected and analyzed program-level data to identify performance gaps and improvement opportunities, then translated the findings into interactive dashboards for stakeholders. The project helped leadership make more informed decisions to improve program quality and competitiveness.

Project Link: [Academic Program and Faculty Dashboard](#)

- **Building Report Analysis of Unpad Dalam Angka**
Managed and developed the annual *Unpad Dalam Angka* report, a comprehensive statistical publication covering enrollment, academic staff, facilities, and institutional performance. Processed and analyzed data using Python and Power BI to produce clear, structured insights for internal and external stakeholders. The report supports strategic planning, transparency, and institutional benchmarking at national and international levels.
Project Link: [Unpad Dalam Angka 2023](#)

EDUCATION

- **Purwadhika Digital Technology School (2020),**
Data Science & Machine Learning, Final Score 81/100
- **Universitas Pendidikan Indonesia (2015 - 2019)**
Bachelor of Chemistry, GPA 3.80

CERTIFICATION

- **Purwadhika Digital Technology School (Sept 2020)**
Data Science & Machine Learning
[Link Certificate](#)
- **Machine Learning With Tensorflow (Sept 2022)**
Google X Digitalent
[Link Certificate](#)
- **Analyzing Data With Power BI (August 2022)**
Trust - Microsoft Learning Partner
[Link Certificate](#)

SKILLS

Soft Skills	Fast Adaptation, capability to work under pressure, critical thinker, problem solver, Individual and Teamworker, continuous learner
Hard Skill	Programming, SQL Database & Query, Data Wrangling, Data Visualization, Statistical Data Analysis, BI Designer, Analytical Insight, Model Evaluation, Automation Data Pipeline
Tools	Python (Pandas, Numpy, Seaborn, Matplotlib, etc.), Scikit-Learn, Streamlit, Power BI, Tableau, Metabase, Visual Studio Code, Github, Apache Nifi, Knime, Redash, n8n
Languages	Professional English, Native Bahasa Indonesia