Full Profile: Muhammad Iqbal Hilmy Izzulhaq

Basic Information:

- **Full Name:** Muhammad Iqbal Hilmy Izzulhaq

- **Preferred Name:** Iqbal

- **Age:** 23 years old

- **Place of Birth:** Indonesia

- **Email:** miqbal.izzulhaq@gmail.com

- **Phone:** +62 852-3640-6001

- **LinkedIn:** https://www.linkedin.com/in/izzulhaq-iqbal/

- **GitHub:** https://github.com/Shiverion

- **Portfolio:** https://shiverion.my.canva.site/

Academic Background:

- **Bachelor's Degree:** B.Sc. in Physics (Material Science), University of Brawijaya, Malang

- **Graduation Date:** December 2023

- **GPA:** 3.39/4.00

- **Thesis:** Focused on the influence of spin coating speed on the thickness and dispersion of reduced Graphene Oxide (rGO) layers on optical fibers. The findings showed that higher spin coating speeds resulted in thinner and less uniform rGO layers.

Professional and Project Experience:

1. **Manufacture Support Intern at Mega Persada Group** (August - November 2022)

   - Analyzed business processes

   - Contributed to technical documentation

2. **Data Science & AI Bootcamp at Purwadhika Digital Technology School** (October 2024 – February 2025)

   - Focus: Python, Data Analysis, Machine Learning, EDA, and Capstone Projects

   - Published articles on Medium covering Python, data visualization, and AI in physics

3. **Data Science Intern at DPR RI (Indonesian House of Representatives)** (April 2025 – Present)

   - Projects:

     - **SUSENAS Dataset Analysis**: Explored socio-economic trends to support policymaking

     - **Constitutional Court Verdict Analysis**: Performed NLP on structured legal text to find patterns in judicial decisions

- **Legislative_Insight_AI.ipynb**: Developed a RAG (Retrieval-Augmented Generation) system based on previous legal data analysis
- **RAG Project Continuation**: Aiming to build a usable, insightful RAG tool for legislative analysis

Key Projects:

- **Badminton Court Reservation System** (Python CRUD)
  - Features: Time-based restrictions, overlapping checks, pricing by day, and payment status
- **Airbnb Data Analysis**
  - Tasks: Pricing Optimization, Market Demand Analysis, and Tableau Dashboard
- **Telco Churn Prediction**
  - Machine learning classification project focused on customer retention strategies
- **MK Verdict Analysis**
  - NLP project using entity extraction, case trends, and relationship analysis in verdicts

Skills:

- **Languages & Tools:** Python, SQL, Tableau, Excel
- **Data Science:** Data Cleaning, EDA, Feature Engineering, Classification Models
- **NLP:** Entity extraction, text classification, RAG
- **Soft Skills:** Excellent communication, teamwork, documentation, analytical thinking
- **Languages:** Fluent in English, learning Chinese (via Duolingo), target TOEFL iBT score: 80+

Certifications:

- Data Science (DQLab)
- Public Speaking
- AI & Metaverse Engineering

Writing & Public Presence:

- Active on Medium, writing about Python, AI in physics, and data storytelling
- Strong writing skills in English and Bahasa Indonesia

Learning Tools Used:

- Duolingo (English and Chinese)
- Dify.AI for agentic AI workflows
- Purwadhika's project modules and guided learning

Future Plans:

- Short Term:
  - Complete RAG system for legislative insight at DPR RI
  - Finalize internship documentation and handover
  - Improve TOEFL iBT score (goal: 80+)
  - Deepen understanding of data engineering and architecture
- Mid Term:
  - Build a strong portfolio with projects that have real-world impact (public policy, social good)
  - Apply for entry-level data scientist/ML engineer roles
  - Contribute to open-source data/AI projects
- Long Term:
  - Become a domain expert in AI for government or legal tech
  - Develop AI systems that enhance public transparency and policymaking
  - Possibly pursue a master's degree in Data Science or AI-related field

Personality & Work Style:

- Forward-thinking, quick learner, deeply analytical
- Communicates well in teams
- Values transparency, impact, and continuous improvement
- Prefers hands-on project-based learning over theory alone

Quote Vibes:

- "I think in systems, question defaults, and chase clarity wherever complexity lives."
- "Speak like a human, write like a scholar."