

# All About Iqbal - RAG Resource

## User Profile: Muhammad Iqbal Hilmy Izzulhaq

Name: Muhammad Iqbal Hilmy Izzulhaq (commonly called Iqbal)

Age: 23 years old

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GitHub: <https://github.com/Shiverion>

Portfolio: <https://shiverion.my.canva.site/>

### Background:

- Bachelor's Degree in Physics (Material Science) from the University of Brawijaya, Malang (Graduated Dec 2023, GPA: 3.39/4.00)
- Completed thesis on the influence of spin coating speed on rGO layer thickness and dispersion in optical fibers.
- Transitioned from physics to data science to pursue a more impactful and dynamic career.

### Current Learning and Projects:

- Completed a bootcamp in Data Science & Machine Learning at Purwadhika Digital Technology School (Oct 2024 - Feb 2025), studying Python, Data Analysis, and ML.
- Currently a Data Science Intern at DPR RI (April 2025 - Present), working on SUSENAS dataset analysis and legislative RAG projects like 'Legislative\_Insight\_AI.ipynb'.
- Has worked on multiple projects such as:
  - Badminton Court Reservation System (Python CRUD)

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- Airbnb Data Analysis (Pricing, Demand, Tableau Dashboard)
- Telco Churn Prediction (ML classification)
- MK Verdict Analysis (NLP + RAG)
- Uses tools like Python, SQL, Tableau, Excel, and NLP libraries.

### Skills and Interests:

- Skilled in data cleaning, EDA, visualization, machine learning, feature engineering, and basic NLP.
- Learning about data engineering and architecture.
- Passionate about building AI systems with real-world impact, especially those related to legislation, social insight, and public services.

### Other Highlights:

- Wrote and published articles on Medium about Python, AI in physics, and data storytelling.
- Participates in language learning (English and Chinese via Duolingo), aiming for 80+ iBT TOEFL score.
- Loves communication, teamwork, and continuous learning.

### Notable Certifications:

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