

# Muhammad Ali Akbar Al-Qahri

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## Professional Summary

Results-driven Data Science graduate with proven track record in delivering business value through data analytics and AI-powered automation. Successfully analyzed Rp1.16B revenue streams, improved operational efficiency by 40% at Bank Indonesia, and developed 7+ production-ready applications including AI bots and BI dashboards. Combines strong technical expertise (Python, SQL, Power BI) with innovative problem-solving, having automated 75% of manual processes through intelligent solutions. Seeking to leverage analytical skills and hands-on experience to drive data-driven decision making as a Data Analyst.

## Key Achievements & Impact

- **Rp1.16B Revenue Analysis:** Delivered insights from beauty products dashboard covering 69 cities
- **40% Efficiency Improvement:** Streamlined operations at Bank Indonesia through interactive dashboards
- **85%+ Accuracy Models:** Developed ML solutions for food security (85.1%  $R^2$ ) and stock prediction (89%)
- **500+ Monthly Transactions:** Automated finance tracking with AI-powered categorization
- **International Recognition:** Best Paper Award at ICoDSA 2025 for innovative research
- **Full Scholarship Recipient:** Maintained 3.74 GPA while developing 7+ production-ready applications

## Professional Experience

**Data Analyst Intern** Jul 2024 – Oct 2024

Bank Indonesia – South Sulawesi Representative Office Makassar

- **Business Impact:** Delivered 8 strategic data products that directly influenced C-level decisions, achieving 85% stakeholder satisfaction
- **Process Optimization:** Reduced reporting time by 40% through Power BI automation, enabling real-time monitoring across 5 regional branches
- **Data-Driven Strategy:** Analyzed 50,000+ digital transactions to identify growth opportunities, contributing to 25% increase in digital adoption
- **Tools Used:** Power BI, Python (pandas, numpy), SQL, Excel

**Database Engineer (Freelance)** Jun 2025 – Aug 2025

Garda Abdi Negara Remote

- **Innovation:** Developed AI-powered solution using Google Gemini API, achieving 92% accuracy in text processing
- **Scalability:** Automated conversion of 10,000+ test questions, serving 200+ users nationwide
- **Cost Savings:** Reduced manual processing time by 75%, saving approximately 120 man-hours monthly

**Data Science Teaching Assistant** Feb 2024 – Jun 2025

Telkom University Bandung

- **Educational Impact:** Improved student performance by 30% through hands-on Python and SQL workshops
- **Quality Assurance:** Evaluated 500+ technical assignments maintaining consistent grading standards

## Data Analytics Portfolio

**Business Intelligence Solutions** | Power BI, Looker Studio, SQL 2024-2025

- **Beauty Products Analytics:** Built 5-page dashboard analyzing Rp1.16B revenue across 69 cities, revealing 66.25% offline channel dominance and optimizing marketing allocation for 35K+ units
- **Mining Operations (PT Kamalindo):** Reduced reporting time by 60% through real-time production monitoring

**AI-Powered Automation Systems** | Python, Telegram API, Google APIs, Gemini AI 2025

- **Finance Management Bot:** Automated personal finance tracking with AI insights, processing 500+ monthly transactions with automatic categorization and predictive budget analysis

- **Smart Calendar Assistant:** NLP-powered scheduling bot serving 100+ users, reducing meeting conflicts by 45%

**Predictive Analytics & ML Research** | *Random Forest, XGBoost, SVM* 2024-2025

- **Food Security Model:** 85.1%  $R^2$  accuracy forecasting for 34 provinces, identifying 29.1% high-risk areas
- **Stock Classification (Award-Winning):** Published Scopus paper with 89% accuracy, tested 1,023 features

**Core Competencies**

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**Data Analysis & Visualization:** Python (Advanced) | SQL (Advanced) | Power BI | Looker Studio | Tableau

**AI & Automation:** Telegram Bot Development | API Integration (Google, Gemini AI) | NLP | Process Automation

**Machine Learning:** Random Forest | XGBoost | SVM | Time Series Analysis | Feature Engineering

**Business Intelligence:** KPI Dashboards | Financial Analytics | Geographic Analysis | Channel Performance

**Soft Skills:** Stakeholder Management | Problem-Solving | Team Leadership | Strategic Thinking

**Education & Professional Development**

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**Bachelor of Science in Data Science** Aug 2021 – Feb 2025

*Telkom University — GPA: 3.74/4.00* *Bandung*

- **Honors:** Government Regional Scholarship (Full 4 years) | Book Launching Scholarship (2023-2024)
- **Leadership:** Chairman, Data Science Student Representative Board (Led 50+ members)

**Certifications & Recognition**

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- **Data Analysis Fullstack Bootcamp** - MySkill (Top 3 Best Project, 2025)
- **Best Paper Award** - International Conference ICoDSA 2025
- **Patent Holder** - Educational Software, Patent No. 000639441