

# JESSICA AGNESIA TATAUNG

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Fresh Pharmacy graduate with strong analytical foundation and research experience, currently transitioning to Data Science through intensive bootcamp training. Proficient in Python (Pandas, NumPy, Scikit-learn) and SQL with hands-on experience in data cleaning, visualization, and machine learning algorithms. Strong background in research methodology, statistical analysis, and regulatory compliance from the pharmaceutical Industry. Eager to leverage analytical skills, attention to detail, and domain knowledge in healthcare/pharmaceutical data to contribute to data-driven solutions in business intelligence, healthcare analytics, or pharmaceutical research.

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## EDUCATION

Data Science Bootcamp

[Dibimbing.id](#) | 2025 – Present

- Relevant Course: Python for Data Science, Machine learning, Data Visualization, SQL and Relational Databases, Data Analytics

Bachelor of Pharmacy

Institut Teknologi Sumatera | 2020 – 2024

GPA: 3.48/4.00

- Previously worked as a laboratory assistant for medical biochemistry, phytochemistry, pharmacology toxicology lab
  - Contributed as part of a team in creating an innovation called *Infus Water Ramia*, a product made from ginger, lime, and dates as an effort to prevent anemia. The product was introduced to a women's school in Bandar Lampung and its design has been officially registered with the Ministry of Law and Human Rights of Indonesia.
  - Contributed as part of a team in creating an innovation in utilizing moringa leaves as moringa leaf nori
  - Final Project : Hepatoprotective Activity Test of Aromatic Ginger (*Zingiber aromaticum* val.) Extract on ALT and AST Levels in Male Mice Induced with Isoniazid and Rifampicin
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## WORKING EXPERIENCES

An intern, Harapan Bunda Hospital | June 2023 – July 2023

- Processed and organized 300+ patient medical records, implementing systematic categorization by insurance type (BPJS vs non-BPJS) and developing data entry protocols for improved accuracy
  - Analyzed pharmaceutical procurement data covering 8 months of invoices (Dec 2022 - July 2023)
  - Implemented FIFO/FEFO inventory management systems for pharmaceutical warehouse operations
  - Managed daily medication preparation workflows for 100+ prescriptions, tracking outpatient vs inpatient distribution patterns
  - Monitored inventory levels and created reports on stock movement and requirement forecasting
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## SKILLS

Hard Skills:

- **Programming:** Python (with library like Pandas, NumPy, Sckit-learn), SQL
- **Data Processing:** Data cleaning (handling missing value, outliers), data normalization & standardization
- **Data Analysis and Visualization:** Data mining, Machine learning (Supervised, unsupervised), Statistical Analysis, Data Visualization (Tableau/Power BI)

**Software:** Python, SQL, Jupyter Notebook, Tableau/Power BI, Data Mining Libraries (Scikit-learn, etc)

**Language:** Indonesian (Native), English (Intermediate)

**Soft Skills :** Communication, Teamwork, Analytical and Desire to Continue Learning

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## ORGANIZATION EXPERIENCE

Sponsorship Division Head – Pharmacy Student Association

Institut Teknologi Sumatera | June 2022 – September 2023

- Led a team of 4 members responsible for securing sponsorships for the 4th Pharmacy Anniversary event at ITERA
- Managed data collection and contacted 200+ potential sponsors via email and phone.

- Secured sponsorships including 1,000 Frisian Flag milk products, 100 Slanik Waterpark tickets, and financial support through collaborations with KUPU and Allo Bank

#### **Cadre Development Division Member – Pharmacy Student Association**

Institut Teknologi Sumatera | January 2022 – December 2023

- Trained 300+ pharmacy students across two cohorts to improve both academic and non-academic understanding of the pharmacy field.
- Facilitated peer bonding among students across different year levels.
- Developed participants' soft skills such as public speaking, critical thinking, and scientific journal exploration.
- Organized activities including the creation of traditional health products based on scientific journals, followed by exhibitions and Q&A sessions.

#### **Secretary and Treasurer – Ministry of Creative Economy, Student Executive Board (KM ITERA)**

Institut Teknologi Sumatera | January 2023 – December 2023

- Organized the “Investment Business Forum and Expo” seminar featuring speakers such as the Head of Tourism and Creative Economy Office of Lampung, a member of the Regional Representative Council (DPD RI), two café owners, and ITERA lecturers.
- Prepared monthly accountability reports for past and upcoming activities.
- Drafted 5+ funding request letters for events related to the student admission ceremony and graduation celebration.
- Managed financial accountability reports for executed activities.
- Coordinated merchandise sales (laboratory coats and calculators) in collaboration with local vendors, resulting in 200+ lab coats and 100+ calculator orders.
- Took meeting minutes for all official sessions.

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**Software:** Python, SQL, Jupyter Notebook, Tableau/Power BI, Data Mining Libraries (Scikit-learn, etc)

**Language:** Indonesian (fluent/native), English (intermediate)

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