WILLIAM WENSTEIN

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SUMMARY

William (20) is a 3rd-year Computer Science student at Tarumanagara University with a strong interest in data analytics and statistical computing. Experienced in **data processing**, **visualization**, and **predictive modeling** using **Python, SQL, and Excel**, with a passion for leveraging data and technology to optimize business processes and drive evidence-based decision-making.

EDUCATION

Tarumanagara University   **Aug 2023 – May 2027 (Expected)**
Bachelor of Information Technology, GPA : 3.65/4.00

WORK EXPERIENCE

PT Palma Abadi   **Oct 2022 – Dec 2022**
Data Entry & Reporting Intern
- Consolidated and cleaned harvest ticket datasets from multiple sources into a single master Excel file for operational reporting.
- Improved data merging accuracy by reducing manual errors by approximately 15–20% through the use of advanced Excel functions (IF, VLOOKUP, HLOOKUP, Pivot Tables).
- Collaborated with accounting and operations teams to ensure consistency between over 500 physical documents and corresponding digital records.

ORGANIZATIONAL EXPERIENCE

Student Representative Council (DPM FTI Untar)   **July 2024 – July 2025**
Permanent Member of the Public Relations Committee
- Managed and scheduled social media content to maintain audience engagement and brand consistency.
- Collaborated with other divisions to ensure alignment between media content and organizational activities.
- Designed and reviewed visual and written materials for organizational events and announcements.

Student Representative Council (DPM FTI Untar)   **Nov 2023 – July 2024**
Junior Member of the Public Relations Committee
- Designed visual content for national and religious celebrations as part of the organization's public communication strategy.
- Collaborated with the PR team to ensure visual messages aligned with the organization's values and identity.

SKILLS

Technical Skills
- Data Analysis & Visualization:
  Microsoft Excel (data cleaning, pivot tables, charts), SQL, Python, Tableau, Power BI
- Programming:
  C++, PHP, JavaScript, HTML, CSS, Unity, Flutter (Dart)
- Web & Mobile Development (HTML/CSS/JS/PHP, Unity, Flutter/Dart)

Operational Skills
- Data Cleaning & Validation
- Analytical Thinking & Problem Solving
- Time Management & Adaptability
- Team Collaboration & Communication

Tools
- Excel, Google Colab, Jupyter Notebook, MATLAB, Tableau, Power BI, Virtual Studio Code, Flutter, Figma

PROJECTS

- <u>Web Development – Anugrah Sejahtera (2025)</u>: Built a full-stack inventory and sales web app using **Laravel** and **MySQL**, featuring multi-role access, automated stock tracking, and invoice generation.
- <u>Web Development – Rock Paper Scissors (2024)</u>: Built a responsive web game using HTML, CSS, and JavaScript with real-time score tracking.
- <u>Web Development – Lifestyle Website (2024)</u>: Built a lifestyle website using **Node.js**, **Express**, and **MongoDB** with user authentication and responsive UI.
- <u>Data Security – DES Encryption (2024)</u>: Implemented the **DES algorithm** for encrypting and decrypting student grade data to ensure confidentiality.
- <u>Embedded Systems – Arduino Projects (2024)</u>: Programmed LED, buzzer, and potentiometer control on Arduino Uno using **C++** and **Wokwi**.
- **Data Mining – Diabetes Prediction (2024):** Implemented a **KNN** model in **Python** to classify diabetes cases with data preprocessing and performance evaluation.
- **Big Data Analytics – Jambi Dataset (2024):** Analyzed and visualized 1990–1999 regional data using Python (**Pandas, Matplotlib**) in **Jupyter Notebook**.
- <u>Algorithm & Optimization – Shortest Path Simulation (2024)</u>: Developed a graph-based **Java** program applying **Dijkstra's algorithm** to compute minimal travel distances for Bogor's transport network.
- <u>UI/UX Design – Polylingo (2024)</u>: Created a **Figma** prototype for a language-learning app with course modules, profile management, and interactive lessons.
- <u>Game Development – 2D Platformer (2024)</u>: Built a **Unity-based 2D game** featuring coin collection, obstacles, and mission objectives.
- **Database Design – Vatrick Workshop (2023):** Built and normalized an **Oracle SQL** database with full entity relationships and data integrity constraints.