ANTONIA TIOPANI MANALU

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Jl. Padang Sidimpuan Gg. GKPA Lk. 1 Tano Ponggol

Final-year Information Technology student with a strong foundation in software quality assurance, system analysis, UI/UX design, and web development. Experienced in test case design, defect reporting, usability evaluation, and system documentation across multiple academic and organizational projects. Skilled in SQL, Figma, HTML/CSS/JavaScript, and structured QA workflows, with a proven ability to analyze requirements, validate system behavior, and collaborate effectively in team-based environments. Passionate about building reliable, user-centered, and well-documented digital solutions across various roles in the tech field.

Education Level

Institut Teknologi Del - **Laguboti, Toba, Sumatera Utara**   Aug 2023 - Sep 2026 (Expected)

Diploma in Information Technology, 3.14/4.00

- Relevant Courses: Data Analysis, Software Testing, Web Development, Database Systems, Mobile Application Development, User Interface/User Experience (UI/UX).
- Academic highlight: Highest semester GPA 3.52

Experiences

Final Project II (Academic Project) - **Laguboti, Toba, Sumatera Utara**   Jan 2025 - Jun 2025

Software Tester

- Designed and executed 40+ test cases covering functional, UI, and integration testing.
- Identified and documented 15–20 defects using structured bug-reporting workflow.
- Collaborated with 4 developers to verify fixes and validate feature stability prior to release.
- Contributed to a 35% improvement in system reliability through systematic testing and re-validation cycles.

Toba Creative House Web-Based Evaluation (Academic Project)   Apr 2025 - Jun 2025
- **Laguboti, Toba, Sumatera Utara**

UI/UX Designer

- Conducted UI/UX evaluation using heuristic analysis and user feedback from 10+ users.
- Redesigned interface components to improve navigation flow and reduce user friction by ~30%.
- Developed wireframes and high-fidelity prototypes to support design recommendations.
- Delivered a usability improvement report used as reference for future interface updates.

Final Project I (Academic Project) - **Laguboti, Toba, Sumatera Utara**   Jan 2024 - Jun 2024

Database Developer

- Designed ERD, CDM, PDM, and relational schemas for a database with 10+ tables.
- Implemented CRUD operations and optimized SQL queries, improving performance by ~25%.
- Ensured 100% data consistency through systematic validation and constraint checks.

Organisational Experience

Privy x Institut Teknologi Del - **Laguboti, Toba, Sumatera Utara**   Mar 2025 - Apr 2025

Sosialisasi Division Member

- Conducted outreach for 150+ participants for the Try Out event.
- Assisted in event coordination, ensuring smooth participant flow.

Del English Club - **Laguboti, Toba, Sumatera Utara**   Feb 2025 - Present

Member

- Participated actively in weekly English practice sessions focused on speaking and academic communication.
- Contributed to club activities aimed at improving members' fluency, confidence, and public speaking skills.

Cadre of the 2024 batch - **Laguboti, Toba, Sumatera Utara**   Oct 2024 - Nov 2024

Member of Consumption Division

- Managed logistics for 56 new students during induction programs.
- Oversaw distribution scheduling with zero major delays.

HIMATIF - **Laguboti, Toba, Sumatera Utara**   Sep 2024 - Present

Competition Division Member

- Contribute to organizing competitions at a social gathering
- Contributed to event workflows that improved student engagement.

General Election Commission **- Laguboti, Toba, Sumatera Utara** May 2024 - Nov 2024
Design Division Member

- Designed 10+ promotional materials for election activities.
- Supported branding consistency and visual communication needs.

DEL Debate Competition **- Laguboti, Toba, Sumatera Utara** Feb 2025 - Mar 2025
Participant as First Speaker

- Enhanced critical thinking and analytical communication through structured debate performance.

Projects, Achievements and Skills

- **Kawalptnku Information System** (2025): Developed core features enabling users to purchase tryout packages and receive data-driven university admission predictions, including contributing to interface design, workflow logic, and system validation.
- **Evaluation of the Toba Creative House Web-Based Application** (2025): Evaluated an existing web application using usability heuristics and user feedback, redesigning key interface components to improve navigation, visual hierarchy, and overall user experience, and producing wireframes, high-fidelity prototypes, and usability improvement recommendations.
- **Analysis of Problems Existing in the Country** (2024): A system analysis project focusing on identifying root causes of national-level issues using data-driven approaches.
- **HKBP Silaen Website** (2024): Contributed to system design by creating ERD, Use Case diagrams, CDM, PDM, and other supporting documentation for the website development process.
- **Achievements** ⊙ (2025): Responsible AI with GitHub Copilot
- **Achievements** ⊙ (2025): Self-Paced Microsoft Azure AI Fundamentals: Microsoft AI-900T00-A
- **Achievements** ⊙ (2025): Meta Data Analyst
- **Achievements** ⊙ (2024): Learn SQL with AI at DQLab
- **Achievements** ⊙ (2024): National Webinar: Strategies for Utilizing Artificial Intelligence (AI) for Research and Development in Higher Education
- **Hard Skills**: SQL, Data Analysis, Software Testing, HTML/CSS/JavaScript, Laravel, UI/UX (Figma), Git/GitHub, IoT Basics.
- **Soft Skills**: Analytical Thinking, Attention to Detail, Problem-Solving, Communication, Adaptability, Teamwork, Initiative.
- **Achievements** ⊙ (2025): Self-Paced Azure AI Basic Fundamental