ASTRI YULIANA SIAHAAN

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Balige, North Sumatra, Indonesia

I am currently a final semester student majoring in Information Systems at Del Institute of Technology. I have a strong interest in analyzing, designing, building, and testing information system solutions. With a passion for continuous learning, I am dedicated to contributing to the industry and expanding my practical experience.

Education Level

Del Institute of Technology - **Sitoluama, Indonesia**   Sep 2021 - Sep 2025 (Expected)

Undergraduate in Information System, Semester GPA 3.35/4.00

Work Experiences

Internship at PT Wibi Digital Technology   Jun 2024 - Aug 2024

- Worked as a Fullstack Developer to develop Chatbot, a virtual assistant for simulating human-like conversations through text and voice interactions.
- Trained the chatbot on the defined conversational flow and responses, ensuring it could handle user queries effectively and iteratively improved its performance based on feedback.

Project Experiences

Information System Project   Jan 2024 - May 2024

- Developed a web-based homestay reservation system around Lake Toba as a System Analyst.
- Created essential documents (ToR, URS, SDD, PiP, TD, SyRS, SW) and modeled business processes.
- Analyzed existing systems, designed solutions, conducted system testing, and managed implementation changes

Data Warehouse and Business Intelligence Project   Jan 2024 - May 2024

- Developed a Data Mart-based dashboard for Indiegogo crowdfunding, enabling interactive and user-friendly data visualization for investors and entrepreneurs.
- Assisted users in making informed decisions by providing accurate project campaign data and in-depth analysis through the dashboard.
- Applied Data Warehouse and Business Intelligence concepts and techniques to enhance data analysis and decision-making efficiency, achieving project objectives successfully.

Web Application Programming and Testing   Sep 2023 - Dec 2023

- Developed IT Del Clinic Website to provide accessible health services within the campus community.
- Designed web-based information system for the project and got score 76 predicate AB.
- Conducted API testing to ensure functionality, security, performance, and reliability.

Information System Project Management Course Project   Sep 2023 - Dec 2023

- Designed Management Information System for MBKM at IT Del to improve efficiency of Campus Independent Internship Program management.
- Utilized tools like Trello for task management and mockup creation.
- Implemented features using HTML & CSS for the project.

Artificial Intelligence Course Project   Aug 2023 - Dec 2023

- Developed malware software classification model using K-Nearest Neighbors (KNN) algorithm.
- Automated classification of applications as malware or non-malware based on extracted features with accurancy 83.
- Implemented machine learning techniques for effective malware detection and got score 85 predicate A.

Design and Systems Analysis Course Project   Jan 2023 - Jun 2023

- Developed System Requirements Specification (SyRS) document for Design of Document Management Information System in SPMI Unit at IT Del and got score 90 predicate A.
- Created a comprehensive guide detailing system requirements, functionalities, and specifications.
- Ensured alignment with project objectives and stakeholder needs.

Database Management Course Project   Nov 2022 - Dec 2022

- Designed Academic Information System database by analyzing requirements and creating Conceptual Data Model (CDM).
- Developed Physical Data Model (PDM) based on the CDM.
- Implemented database model, normalized data, and created tables with constraints using SQL Server.

Organisational Experience

Himpunan Mahasiswa Sistem Informasi (HIMSI) - **Del Institute of Technology**   Oct 2023 - Present

Member of the Public Relations Division

- Assisting in various HIMSI events and activities, promoting teamwork and community involvement, as well as participating in assisting other division work programs.

Skills, Achievements & Other Experience

- **Certificates** ⧉: Cloud Data Analysis Specialty Certification & Dicoding Certificate Sources
- **Hard Skills**: HTML, CSS , C, JavaScript, PHP, Python, SQL Server, PostgreSQL, MongoDB, Oracle, Figma, Visual Studio Code, Github, Jupyter Notebook, Ubuntu, Laravel
- **Soft Skills**: Creative and Innovative, Teamwork, Problem-Solving, Meticulous, Organized, Time Management, Critical Thinking, Active Listening, Empathy, Responsibility
- **Language**: Indonesia (Native Speaker), English (Intermediate)