RIVKA SALVITA SILALAHI

+6282396132676 | rivkasilalahi07@gmail.com | https://www.linkedin.com/in/rivka-salvita-silalahi-545aba347/
| https://github.com/RivkaSilalahi

I am a sixth semester student of Software Engineering Study Program at Institut Teknologi Del with a major focus on UI/UX Design, but also have skills in Data Analysis. I have a good understanding of the software development process, from requirements analysis, system and database design, to implementation. I am enthusiastic about learning new things, able to explore user-centered design approaches, and analyze data to support informed decision making. I also have good problem-solving skills and am able to work effectively, both individually and in a team.

Education Level

Institut Teknologi Del - North Sumatera   Jul 2022 - Sep 2026 (Expected)

Diploma in Bachelor of Applied Software Engineering Technology, 3.16/4.00

Organisational Experience

HIMATERA (Himpunan Mahasiswa Teknologi Rekayasa Perangkat Lunak) - Institut Teknologi Del   Oct 2022 - Present

Member

As a member I actively contribute to various organizational activities in supporting internal and external event coordination.

Badan Eksekutif Mahasiswa Institut Teknologi Del - Institut Teknologi Del   Jul 2023 - Present

Departemen Hubungan dan Pengabdian Masyarakat Departemen Hubungan dan Pengabdian Masyarakat

Active in designing and implementing community service programs as a form of student social contribution. Involved in activities such as social service and local community empowerment.

- Coordinated and participated in social visits to orphanages and natural disaster-affected areas, distributing essential aid and providing emotional support to local communities.

General Election Commision (KPU) IT Del - Institut Teknologi Del   Apr 2024 - Nov 2024

Member of Event Division

As a member of the event division, I am responsible for planning, coordinating, and implementing the entire series of activities during the KPU. I ensure that each event session runs according to schedule, maintain technical and non-technical smoothness, and establish good communication with all related parties such as MCs, performers, and other committees.

Student Dance Choir - Institut Teknologi Del   Oct 2022 - Dec 2023

Traditional Members of Student Dance Choir

Performed at several events such as Dies Natalis & Graduation at Del Institute of Technology

Projects

- **Final Projects 3 : Pengembangan Aplikasi Booking Lapangan GOR Badminton Sigumpar** (2025):This application was developed to simplify the process of booking a field at GOR Badminton Sigumpar digitally. I contributed as part of the frontend team in designing and developing a simple and responsive application interface. In addition, I also created UI designs using Figma and conducted data analysis to support decision making in developing application features.

- **Projects : Deteksi Penyakit pada Daun Pepaya Menggunakan Convolutional Neural Network (CNN) dan Support Vector Machine (SVM)** (2024): Analyzed papaya leaf image data, labeled using Roboflow, and evaluated CNN-SVM model for 4-class classification.Contributed to data visualization, class distribution analysis, and model result interpretation.

- **Final Projects 2 : Rancang Bangun Aplikasi Administrasi dan Keuangan HKBP Palmarum Tarutung Berbasis Mobile** (2024): This mobile application was developed for the HKBP Palmarum Tarutung Church with the application of an intuitive and user-friendly interface design. As part of the development team, I implemented the principles of UI/UX Design to ensure that the application is easy to use by the Daily Workers' Agency (BPH) in managing congregational administration data and church finances.

- **Automated-Image-Processing-Application-with-Algorithm-Optimization** (2024): Analyzed image data and user usage of effects like blur and black-and-white. Helped evaluate image compression results and processing speed, and provided suggestions to make the app features more efficient.

- **Final Projects 1 : Pengembangan Situs Web Food Mora Toba** (2023): Developing a product information system website for Food Mora Toba that displays local food products in an informative and attractive manner. The project includes needs analysis, UI/UX design, and implementation with web technology, aimed at supporting the digitalization of local MSME marketing.

- **Redesign Pembangunan Frontend Website IT Del** (2024): In this project, I acted as a designer and frontend developer responsible for redesigning and implementing the IT Del website interface where I created a new design using Figma, then implemented it with HTML, CSS, and JavaScript to make the display more responsive and accessible.

Experience

Coding Camp powered by DBS Foundation - Dicoding

Jan 2025 - Present

Student Machine Learning Engineer

I joined this intensive program to build skills as a Machine Learning Engineer through project-based learning. Focusing on mastering machine learning algorithms, data management, and applying ML models to solve real-world problems. The program also emphasizes the development of soft skills such as time management and project management in the context of teams and remote work.

Skill

- **Project Management**
  - Methodologies: Agile, Waterfall
  - Backlog Management & Sprint Planning
  - Risk Analysis & Mitigation
- **Technical Skills**
  - **PM Tools:** Trello and Microsoft Applications (Excel, Word, PowerPoint)
  - **Data Processing:** Microsoft Excel, Tableau, Roboflow
  - **Database Management**: Microsoft SQL Server, My SQL
  - **Business Process Modeling**: Draw.io, Bizagi, Star UML
  - **UI/UX Design**: Figma and Canva
  - **Programming Language** : PHP, Python, C, JavaScript, Java
  - **Machine Learning :** Intermediate
- **Soft Skills**

  Communication, Problem-Solving, Collaboration, Creative, Responsibility, Time Management, Hardworking, Public speaking.

Languages:
- Indonesian: Native
- English: Intermediate