

# Patra Rafles Wostyla Sinaga

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## PROFESSIONAL SUMMARY

An Information Technology undergraduate with over two years of experience in programming, specializing in data-driven solutions for IT challenges. Highly motivated to make an impact in Full-Stack Engineering, Artificial Intelligence/Machine Learning, and Project Management. Experienced as a competitive programmer skilled in applying algorithms and data structures to solve complex problems critically and innovatively. Recognized for a creative and analytical problem-solving approach.

## EDUCATION

Universitas Sumatera Utara

Medan, Sumatera Utara

Bachelor's Degree student of Information Technology | **GPA: 3.92/4.0**

Sep 2023 - Present

## COMMITTEE EXPERIENCE

Christian Students of Information Technology

Universitas Sumatera Utara

Funding Team Member

2024

- Responsible for managing and overseeing offline sales activities during the event, including planning strategies and organizing operational aspects such as inventory management and booth arrangement.
- Coordinating with the team to ensure smooth operations and providing efficient customer service, including processing transactions and providing product information.
- Focus on achieving the Funding division's funding targets through optimal sales and ensuring sales activities are effective and profitable.

## PROJECTS (Click on the title for more details)

Assembly: Endgame

Present

- Developed a word guessing game based on an interactive web application using React.js

Recipe Generator With Integrated AI

Present

- Developed a full-stack web application that generates personalized recipes based on available ingredients, using Gemini AI for automatic recipe text generation.
- Built the frontend with React.js to create an interactive and responsive user interface.
- Implemented the backend using Express.js and Node.js for server management and application logic, seamlessly integrating AI-powered solutions.

Poskesdes Lau Baleng

2024

- Led a team of 5 people, delegating tasks to communicate with partners and develop a website for Poskesdes Lau Baleng.
- Developed a full-stack website using the Laravel framework, Filament library for the admin dashboard, and Livewire to create a dynamic website interface.

Sparks - Social Media Web App

2024

- Led a team of 4 members and developed a full-stack web application using Laravel.
- Led the team by establishing clear communication and strategically assigning tasks based on front-end, back-end, and database, to maximize each member's skills and potential.
- Developed the back-end to ensure the web application functions properly.

## AWARDS

**SKILLS**

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**Computer:** HTML, CSS, C, C++, Python, JavaScript, PHP, Dart, Kotlin, Laravel, Pandas, Flutter, Tailwind CSS, Filament, Livewire, Node.js, Express.js, React.js, TypeScript, MySQL, MongoDB, Postman, Gemini API, Git, VSCode

**Language:** Indonesia (Native), English (Fair)