

AKMAL TAUFIQURRAHMAN

Fullstack Developer & Informatics Student



PROFILE SUMMARY



Akmal Taufiqurrahman

Informatics Student

Turning a passion for technology
into impactful real-world solutions.



taufikakmal53@gmail.com



[Akmal Taufiqurrahman](#)



[github.com/akmaaltaufiq](#)



EDUCATION

2023 - Present

UPN Veteran Jakarta

Informatics

(GPA: 3.90 / 4.00)

2020 - 2023

SMA Negeri 6 Jakarta

Science Major

(Grade 89.73 / 100)



EXPERIENCE

Jan 2025 - Feb 2025

Steward

Seroeni Restaurant,
Part-time

Des 2024 - Jan 2025

Digital Marketing

TYMY, Freelance

Jun 2024 - Des 2024

Content Creator

MSAI Bakeshop,
Part-time



ORGANIZATION

May 2025 - Present

Staff Public Relation

FIKFAIR | BEM - FIK

UPN Veteran Jakarta

2017 - 2020

OSIS SMPN 13 Jakarta

National Values Division



LANGUAGE

English

Intermediate

Indonesia

Native



PROJECT

- SecureNote Web
- PhishDetect Web
- Jahitra Website
- MSAI Bakeshop Web
- PakarISPA.ID App



SKILLS

- Web Development
- Mobile App Dev
- UI/UX Design
- Data Analytics
- Prompt Engineering
- Content Creation
- Digital Marketing



TOOLS

- React
- Tailwind
- Next.js
- PHP
- Laravel

About Me

I am an Informatics student at UPN Veteran Jakarta passionate about transforming technology into meaningful solutions. With experience in fullstack development using JavaScript, React.js, Next.js, Tailwind, Python, and PHP, I combine technical skills with creativity to address real-world challenges from digitalizing small businesses to developing health-focused applications.

Actively involved in projects, organizations, and content creation, I value collaboration as much as independent learning. I am eager to grow at the Apple Developer Academy, where I can expand my skills, work across disciplines, and create innovations with real impact.

Halo.



EDUCATION



- 2023 - Present
UPN Veteran Jakarta
Bachelor of Informatics | GPA: 3.90 / 4.00
- 2020 - 2023
SMA Negeri 6 Jakarta
Science Major | Grade: 89.73 / 100



Skills & Tools

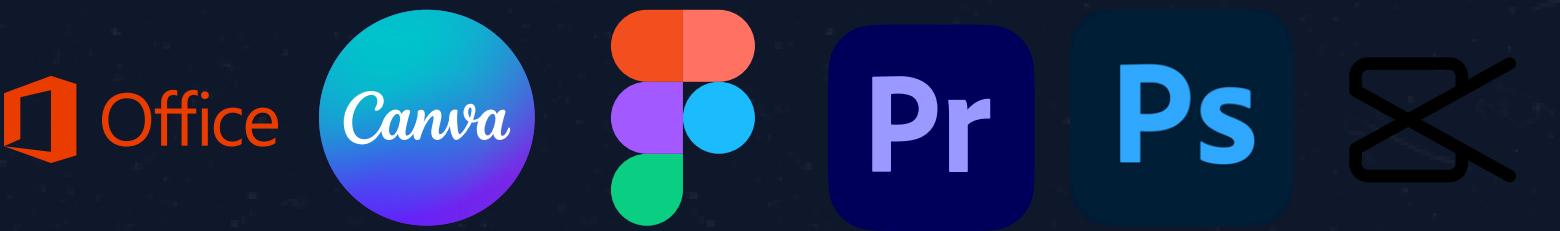
- **Programming Languages:** JavaScript, PHP, Python, Java, C++
- **Front-End :** HTML, CSS, React.js, Next.js, Tailwind CSS, Bootstrap
- **Back-End:** Node.js (Express), Flask, REST API, PHP, CodeIgniter, Laravel
- **Database:** MySQL, PostgreSQL, MongoDB (basic)
- **IoT :** ESP8266, Sensor DHT11/PIR, Grafana, TimescaleDB
- **UI/UX Design:** Figma, Canva, Adobe Photoshop
- **Deployment & Collaboration:** Git, GitHub, Vercel



Languages:



Development Tools & Libraries:



Design & Productivity:



Project

The image shows three laptops side-by-side, each displaying a different web application:

- MSAI Bakeshop:** A website for a bakery. The main heading is "Cita Rasa Premium dari Kue Rumahan". It features a large image of a red velvet cake slice.
- SecureNote:** A modern web application for secure communication. The title is "SecureNote" with a lock icon. It explains that it uses hybrid encryption (AES + RSA) to protect emails and private messages. It has "Try Encrypt" and "Try Decrypt" buttons.
- Jahitra - Jasa Jahit:** A website for tailoring services. The main heading is "Jahitan Rapi, Hasil Berkualitas". It shows a person using a sewing machine on a striped fabric.



1. SecureNote -Web App for Hybrid Encrypted Messaging

Full Stack Web Developer (Individual Project)

- Designed and developed a secure messaging platform using hybrid RSA-AES encryption, enabling safe end-to-end communication via both client-side and server-side key handling.
- Deployed with React.js, Tailwind CSS, Flask, and Node.js, enabling real-time message encryption with <50ms response time in local tests.

Techstack:

- Front-End:



- Back-End:



<https://github.com/akmaaltaufiq/securenote-web>

The image displays two screenshots of the SecureNote web application interface. The top screenshot shows the 'Encrypt Your Message' page. It features a form with 'Email Subject' set to 'Test' and 'Email Message' containing the text 'This is a test.' Below the form are two buttons: a blue 'Encrypt' button and a green 'Download Encrypted File' button. The bottom screenshot shows the 'Decrypt Encrypted File' page. It includes a file selection input showing 'Choose File email_Test.txt', a teal 'Decrypt' button, and a summary section with 'Subject: Test' and 'Message: This is a test.'

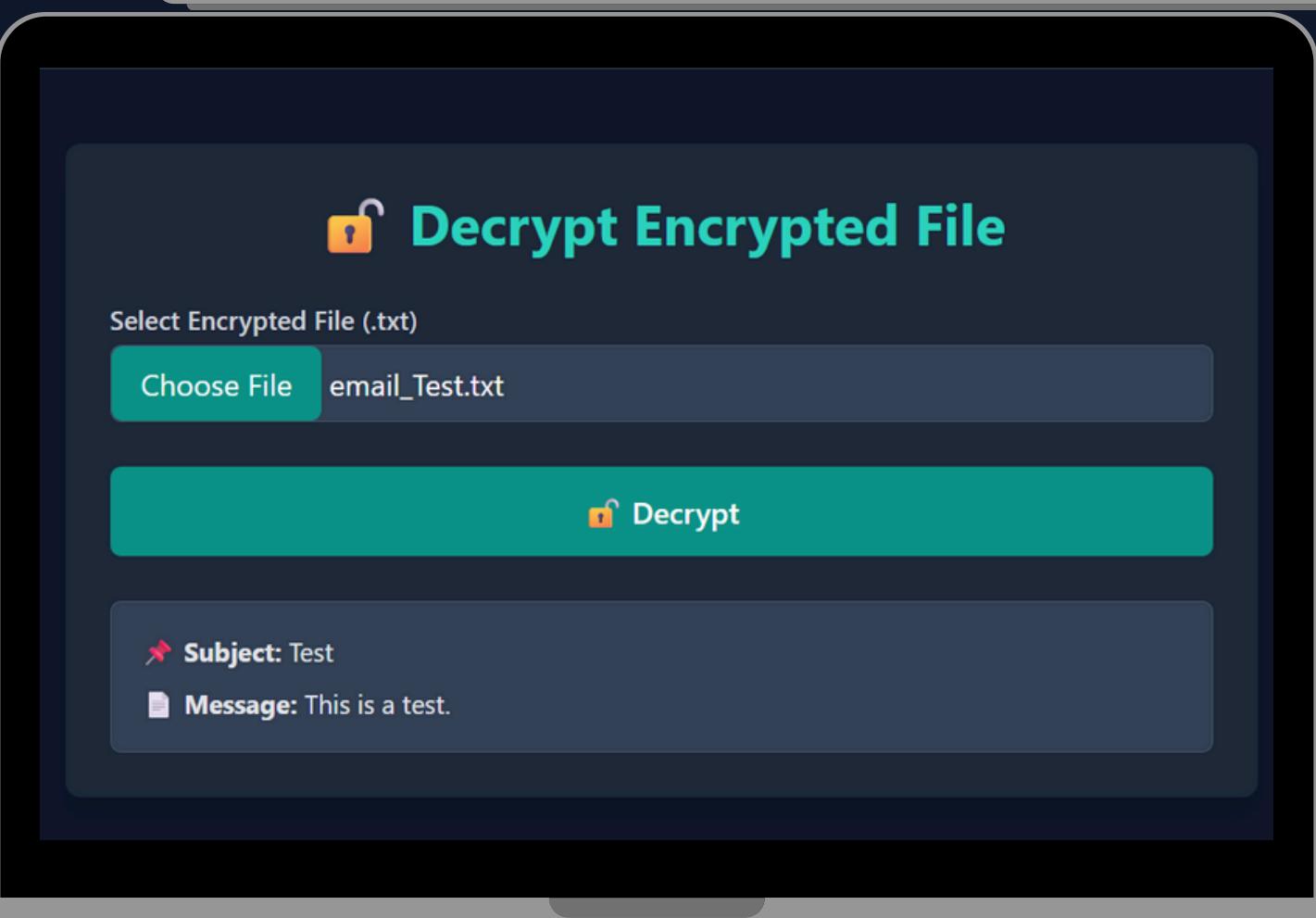
SecureNote Web

Features:

- Hybrid Cryptography (RSA + AES): Encrypts and decrypts messages using a secure hybrid approach.
- Download/Upload Private Key: Allows users to download their private key as a .txt file and upload it for decryption.
- Encrypted Messaging Simulation: Mimics secure email-style communication flow.
- Real-Time Encryption/Decryption Preview: Instantly displays encrypted and decrypted results.

Impact & Lessons Learned:

- Strengthens understanding of secure communication and key management principles.
- Provides hands-on experience in data protection for general users.
- Demonstrates readiness in developing cybersecurity-based systems aligned with secure digitalization needs in both public and private sectors.



2. PhishDetect Web - Email Phishing Detection System

Full Stack Web Developer (Individual Project)

- Built a phishing email detection web app utilizing Naive Bayes and NLP techniques with Flask and React.
- Achieved 95% classification accuracy on phishing dataset with real-time visual result feedback.

Techstack:

- Front-End:
- Back-End:



<https://github.com/akmaaltaufiq/phishdetect-web>

The image displays the PhishDetect Web application interface, showing both a desktop browser window and a mobile phone screen. Both views are titled "PhishDetect Web" and feature the tagline "Automatically detect phishing emails using NLP & Machine Learning".

The desktop view shows a text input field with placeholder text "Enter the email content:" and "Example: You have won \$1000, click here...". Below the input field are two buttons: "Detect Now" (blue with white icon) and "Clear Text" (white with red icon). A "Prediction Result:" section below the buttons displays the text "Safe Email" in green. To the right of the main content area, there is a sidebar with a blue header containing the same application title and tagline. It also has an "Enter the email content:" field and a "Detect Now" button. The sidebar displays a "Prediction Result:" section with the text "A high-severity alert has been triggered Phish delivered due to tenant or user override" in blue, followed by "Severity: High", "Time: 01/22/2021", "Activity: Protection", and "Details: 1 message hit on 2aec-43aa-a943-08d7333445aee-1065783939474734-1, sent by Unknown to at time 01/22/2021 01:22 PM".

The mobile phone screen shows a similar interface, with the "PhishDetect Web" title and "Automatically detect phishing emails using NLP & Machine Learning" tagline at the top. It has an "Enter the email content:" field and a "Detect Now" button. The "Prediction Result:" section below shows a red "X" icon followed by the text "Phishing Email". At the bottom of the phone screen, there is a "Detection History" section with a single entry: "12:51:38: Phishing Email".

PhishDetect Web

Features:

- Naive Bayes Classifier: Detects potential phishing emails with up to 95% accuracy.
- Text Input, Clear, and Detection History: Manual input with clear/reset options and detection tracking.
- Classification Table with Confidence Score: Displays results with confidence levels for each prediction.

Impact & Lessons Learned:

- Improved debugging and model deployment skills.
- Learned to integrate ML models with front-end systems.
- Understood the balance between security accuracy and usability.

The screenshot shows the PhishDetect Web application. At the top, it says "PhishDetect Web" and "Automatically detect phishing emails using NLP & Machine Learning". Below that is a text input field containing a simulated phishing email message. The message content includes a greeting, a warning about a hack, a link to a login page, and a note about password safety. Two buttons are at the bottom: "Detect Now" and "Clear Text". A "Prediction Result" section below shows a red "X" icon followed by the text "Phishing Email".

The screenshot shows the PhishDetect Web application. It displays a "Detection History" section with a list of five entries, each showing a timestamp and whether it was a "Phishing Email" or a "Safe Email". Below that is a "Model Accuracy:" section showing "95.47 %". Underneath is a "Classification Report:" section with a table titled "Laporan Klasifikasi". The table includes columns for precision, recall, f1-score, and support. It shows data for two categories: "Safe Email" and "Phishing Email", along with overall averages for accuracy, macro avg, and weighted avg.

	precision	recall	f1-score	support
Safe Email	0.93	0.98	0.95	7935
Phishing Email	0.98	0.93	0.96	8563
accuracy			0.95	16498
macro avg	0.96	0.96	0.95	16498
weighted avg	0.95	0.95	0.95	16498

3. MSAI Bakeshop - Brand Website with Bilingual Support

Web Developer (Individual Project)

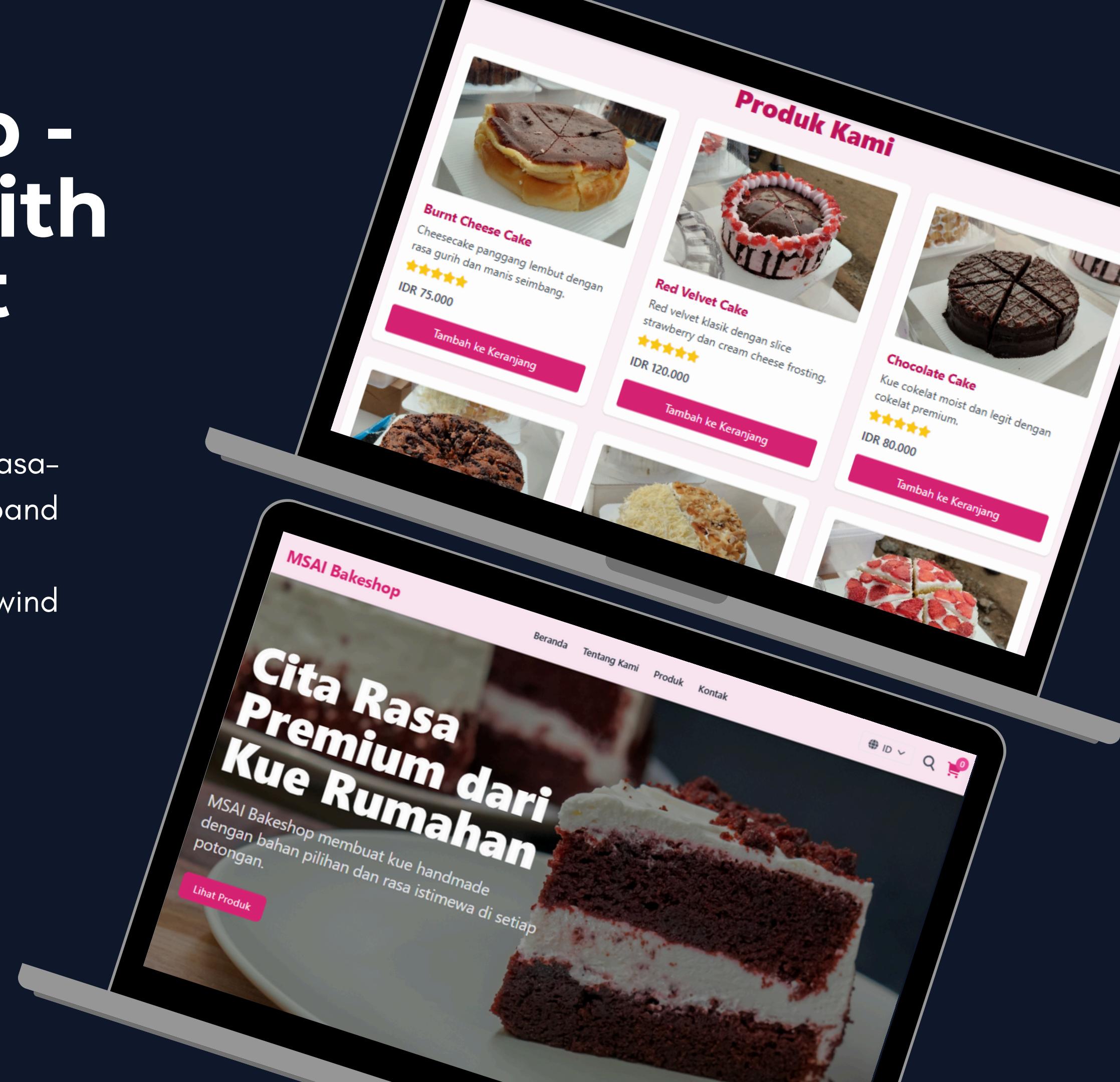
- Developed a bilingual business website (Bahasa-English) for a home-based bakery to expand market reach.
- Implemented using HTML, JavaScript, and Tailwind CSS with fully responsive design.

Techstack:

- Front-End:



<https://msai-bakeshop.vercel.app/>



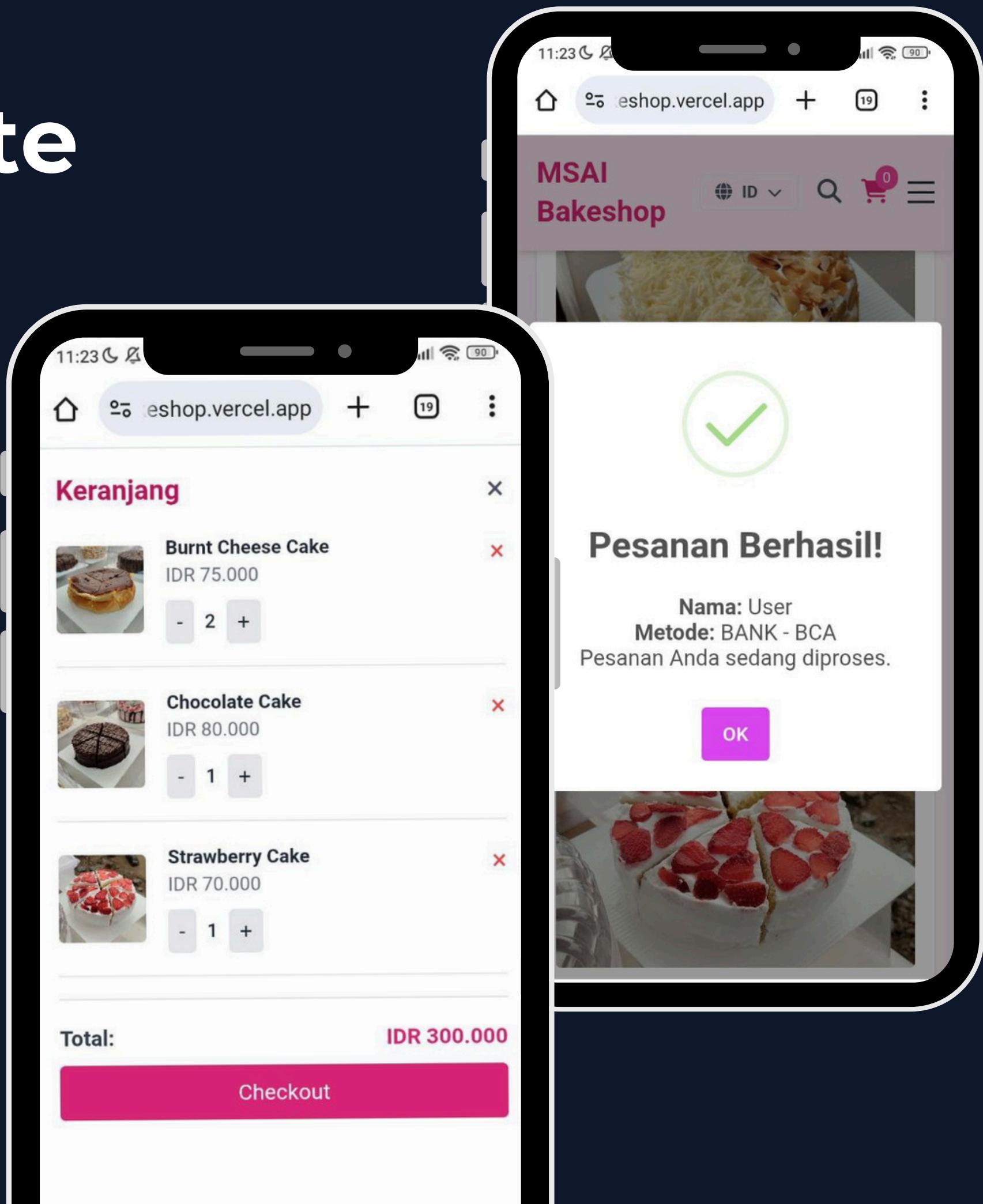
MSAI Bakeshop Website

Features:

- Multilanguage Toggle (ID/EN): Users can switch languages with a single click.
- Product Search & Filter: Enhances shopping experience with real-time search and filtering.
- Interactive Cart System: Add/remove items, calculate totals, choose payment methods, and receive success alerts.
- Message Form: Enables direct customer communication through the website.

Impact Lessons Learned:

- Implements a small-scale e-commerce concept with optimized user experience.
- Demonstrates the ability to build transaction and user interaction systems.
- Serves as an example of MSME digitalization to support local economic development.



4. PakarISPA.ID – Mobile Expert System for Respiratory Diagnosis

Mobile App Developer (Group Project)

- Built an Android app using Certainty Factor rule-based reasoning to assist users in early diagnosis of respiratory diseases.
- Achieved up to 99% CF calculation accuracy and 100% consistency across 5 diagnosis scenarios.

Techstack:



<https://github.com/Zaynorang/SistemPakarISPA.git>





PakarISPA.ID App

Features:

- Symptom Checklist: Input symptom data using the Certainty Factor model for accurate diagnosis results.
- Diagnosis Results + Solutions: Outputs include disease explanation and recommended treatments.
- Disease Info & Prevention: Educates users about ISPA and how to prevent it.
- Splash Screen + About App: Modern opening screen with informative app details.

Impact & Lessons Learned:

- Introduces the concept of expert systems to general users through mobile-friendly UX.
- Empowers communities to recognize and manage ISPA independently.
- Demonstrates the ability to build a socially impactful, fully functional Android application.

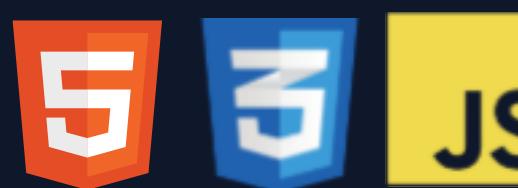
5. Jahitra – Company Profile Website

Web Developer (Individual Project)

- Created the first-ever digital presence for a family tailoring business using lightweight HTML, CSS, and JavaScript, optimized for low-bandwidth access.
- Successfully contributed to the acquisition of 5+ new custom orders through website exposure.

Techstack:

- Front-End:



<https://jahitra.vercel.app/>





Jahitra Website

Fitur:

- Direct WhatsApp Button: Instant call-to-action for placing orders via WhatsApp.
- Animated Slides & Popups: Smooth transitions that enhance a professional impression.
- Google Maps Embed + Directions: View and navigate directly to the location through Google Maps

Impact:

- Digitizes a family business using simple yet functional technology.
- Makes it easier for customers to find and contact the tailor instantly.
- Showcases the ability to design a scalable website for micro businesses.

*Experienc*e



Organizational Experience

PUBLIC RELATIONS STAFF FIKFAIR

BEM-FIK UPN Veteran Jakarta

(May 2025 – Present)

- Acted as the main liaison between participants, committee members, and university students.
- Strengthened teamwork and stakeholder management in a high-paced event environment.

OSIS SMP NEGERI 13 JAKARTA

National Values & Discipline Division

(2017 - 2020)

- Led and organized 10+ large-scale school events involving 500+ students, including sports competitions, social charity, and educational seminars.
- Responsible for maintaining discipline and patriotic values across student activities, serving as event coordinator and liaison for school-wide programs.



Professional Experience

DIGITAL MARKETING SPECIALIST

TYMY | Freelance

- Earned 2nd place in the Top Achievers Promotion Partner 2024 for outstanding short-term sales performance.
- Promoted and sold digital products (insurance, entertainment apps, streaming devices) via social media and direct outreach.
- Improved persuasive communication skills and time management in a fully remote freelance setting.

(Dec 2024 - Jan 2025)



Professional Experience

SALES ASSISTANT & CONTENT CREATOR

MSAI Bakeshop | Part-time

(Jun 2024 - Dec 2024)

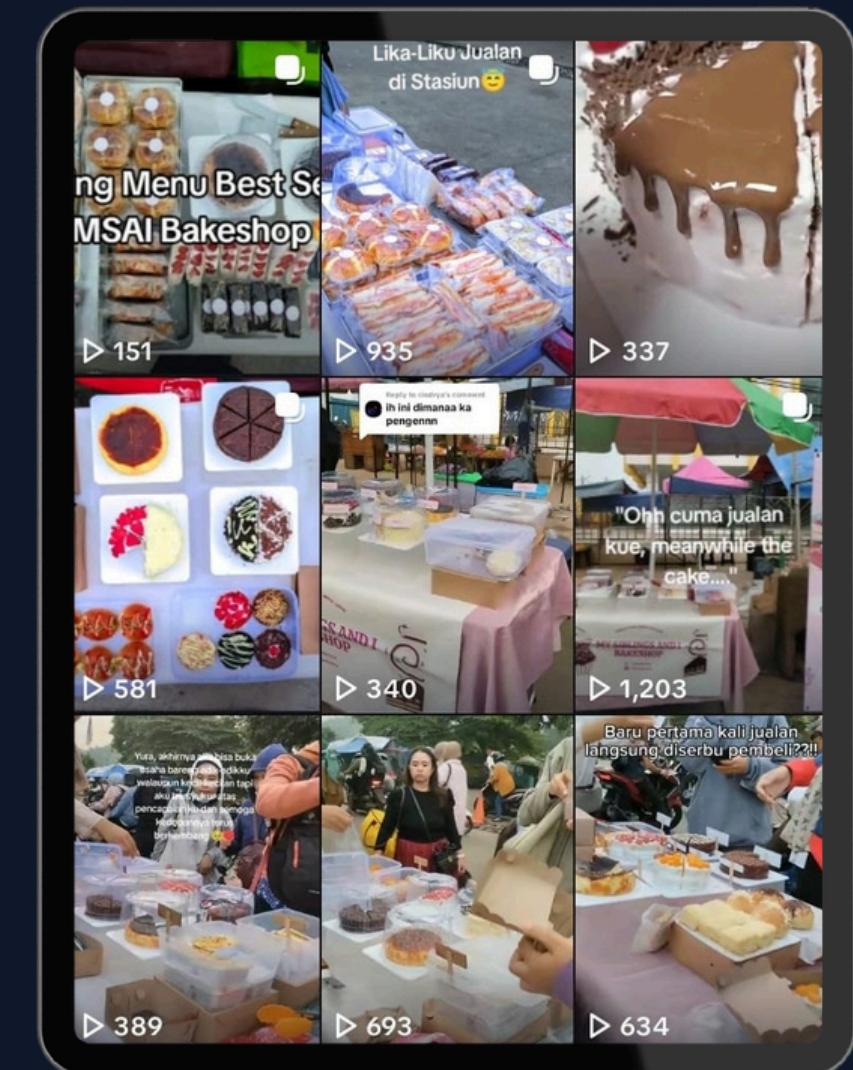
- Supported production and packaging while managing daily social media content on TikTok.
- Created product videos that contributed to a 30% monthly increase in sales and higher brand visibility in the local area.

STEWARD

Seroeni Restaurant | Part-time

(Jan 2025 - Feb 2025)

- Maintained strict hygiene and sanitation standards in accordance with food safety regulations.
- Assisted the kitchen team with prep tasks and back-of-house organization during peak service hours



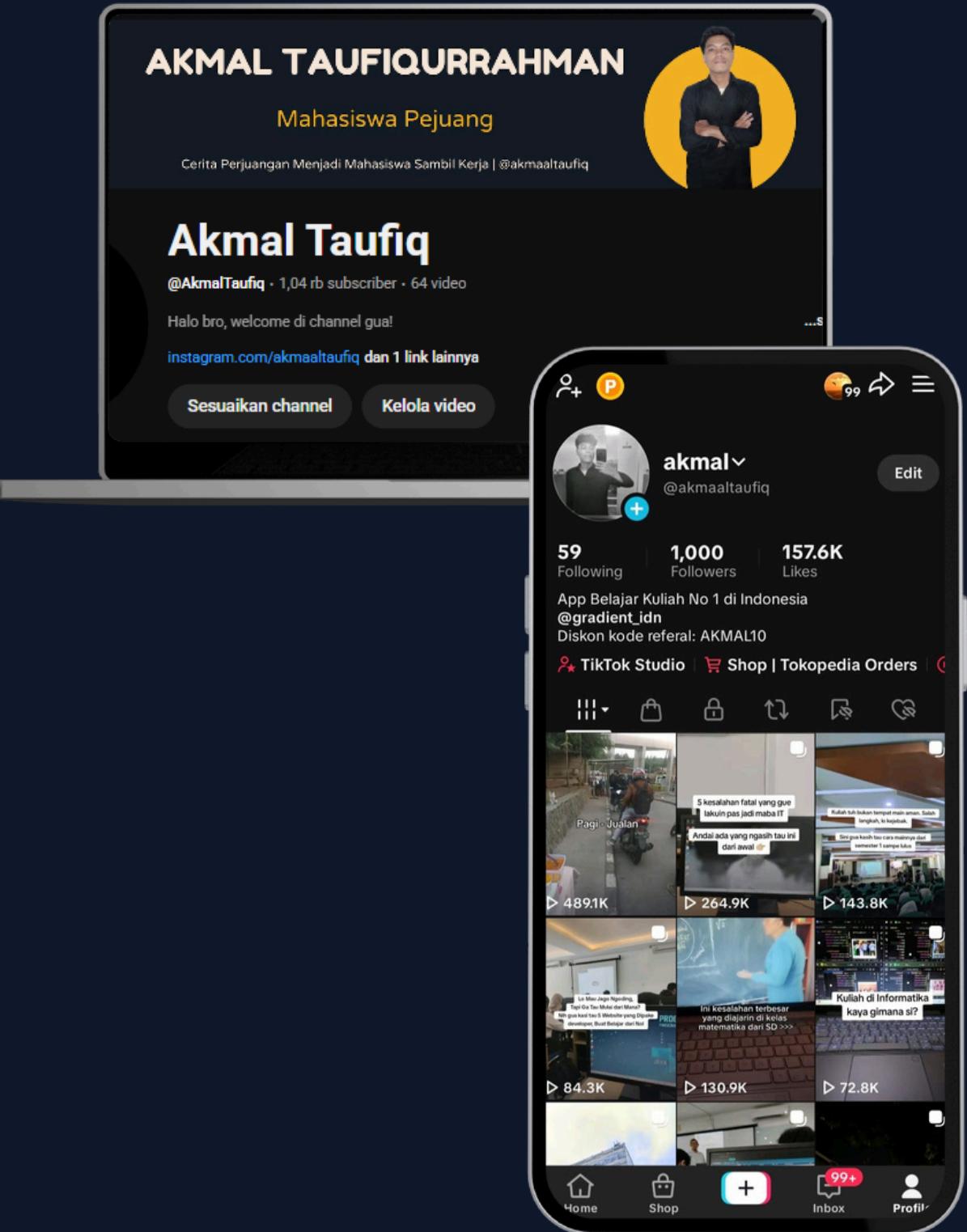
Journey on Progress

CONTENT CREATOR

TikTok & YouTube

- Built a personal brand around student life, tech learning, and productivity, reaching 1000+ followers on TikTok and 150,000+ total likes organically.
- Currently expanding to YouTube with 1.000+ Subscribers and experimenting with educational tech content, educational life lessons, and tutorials aimed at aspiring developers and students

(Apr 2025 - Present)



*Award
&
Certifications*







CONTACT

This portfolio reflects my commitment as an aspiring fullstack developer who not only masters technical aspects but also focuses on delivering impactful solutions. Every project is designed to address user needs, sharpen my professional skills, and demonstrate my readiness to contribute to a technology development team.

I am eager to keep learning, growing, and delivering my best in a collaborative, innovation-driven work environment.



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github.com/akmaaltaufiq



portfolio-akmaaltaufiq.vercel.app/

