RAFILLA SHALWA SAKINA

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A highly motivated Information Systems student with a passion for data and software development across both web and mobile platforms. Experienced in building end-to-end digital solutions, with hands-on expertise in web technologies, data processing, and machine learning implementation. Skilled in analyzing technology and business trends, transforming data into actionable insights, and collaborating effectively in teams to deliver impactful, high-quality outcomes.

Education Level

President University   Sep 2023 – Present

Candidate for Bachelor of Science in Computing (GPA 3.81/4.00)
- **Award:** 1st Winner of Tech Project at COMPSPHERE 2024   Dec 2024

Project Experience

1001-Events   Feb – Apr 2024
UI/UX Designer & Fullstack Developer
- **Designed and developed** a campus event management platform to enhance access to over 1,000+ annual events, simplifying discovery for both internal and external students
- **Built a full-stack web application** using HTML/CSS/JavaScript, and structured the database with MySQL, including ERD modeling for scalability
- Took full responsibility for the **end-to-end product cycle**, including branding, feature planning, UI/UX design
- Received 90% positive feedback and **"Best Project"** award at Compsphere 2024, setting the groundwork for future platform enhancements

Learnlytics   May – June 2025
Data Scientist & Fullstack Developer
- Developed a **data-driven study partner recommendation system** using Apriori-based association rule mining on academic history (courses and grades)
- Built a **full-stack web application** with **Django** and **Python**, featuring real-time input, automatic model retraining, and a PostgreSQL database via pgAdmin4
- Designed intuitive UI/UX and integrated interactive visualizations to improve user experience and data clarity
- **Streamlined multiple use cases** into a unified system flow, enhancing group coordination and reducing workload by 85% during User Acceptance Testing (UAT)
- Earned 87.25 final score and 100 for individual contribution, with strong lecturer feedback on system potential

Study Comparative Investment Club PU & Galeri Investasi TSM   May – June 2025
Supervisor
- **Led end-to-end execution** of a cross-campus event by overseeing planning, mentoring key leaders, managing internal coordination, and ensuring real-time issue handling during operations
- Drove strategic communication and conducted **post-event evaluation** to enhance team performance and set a standard for future collaborative programs

Volunteering

President University Student Board   Aug – Oct 2024
Public Relations External of President Youth Leadership Camp 2024
- Secured partnerships with **18 media outlets** to boost event visibility and credibility
- Led promotional outreach by engaging directly with schools, successfully **increasing event awareness** and **student participation**

Investment Club President University   June – July 2025
Person in Charge MTDD division of Company Visit x Workshop 2025
- **Delegated** tasks to a 4-member team and ensured smooth coordination throughout the preparation phase

- Contributed to the creation of event materials, including banners and the presentation rundown
- Acted as the technical operator on event day and **supervised** team members to ensure responsibilities were fulfilled effectively

Organizational Experience

Investment Club President University   Nov 2024 – Aug 2025
Head of Internal Communication Division
- **Led a team** of 6 members in managing the internal communication division, ensuring fair task distribution and providing support during urgent or challenging situations
- **Supervised** the creation of visual content and **established** the feed layout for all Investment Club materials
- **Monitored team performance**, ensured timely task completion, and facilitated internal **coordination meetings** to maintain progress and work alignment

Certifications

- Data Analytics Learning Plan - Amazon Web Services
- Machine Learning Learning Plan - Amazon Web Services
- Digital Classroom-Practical Data Science with Amazon SageMaker - Amazon Web Services

Skills and Language

- **Soft Skills:** Analytical thinking, Problem-solving, Attention to detail, Communication, Collaboration, Creativity
- **Hard Skills:** Full-Stack Development, Data Processing, Machine Learning, Data Visualization, Database SQL
- **Tools:** Python, Java, JavaScript, PHP, Flutter, Django, MySQL, pgAdmin 4, Git, Microsoft Office, Looker Studio
- **Language:** Indonesian (Native), English (Intermediate)