IRFAN WAHENDRA

Information Systems Undergraduate — Product, Mobile & AI Research Enthusiast

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As an Information Systems graduate with a strong interest in mobile intelligent systems and agentic AI, I aim to explore how AI-driven decision support can enhance early-stage product development and human-AI collaboration. Over the past years, I have worked as a mobile developer, UI/UX designer, and CTO of an AI-driven startup, allowing me to integrate technical development with user-centered design and real product execution. My experience building AI-enhanced applications and leading cross-functional teams has strengthened my interest in research on mobile AI agents, product reasoning systems, and Human-AI interaction. I am eager to pursue graduate study to deepen my technical foundations and contribute to research that bridges intelligent systems with real-world impact.

🔍 RESEARCH INTERESTS

Mobile Agentic AI, Mobile Intelligent Systems, Human-AI Interaction, Collaborative AI

🎓 EDUCATION

Universitas Andalas   Padang, Indonesia
Bachelor of Information Systems (GPA 3.41/4.00)   Aug 2021 – Feb 2026 (Expected)
- Secured startup funding of ∼USD 977.71 from SOEs.
- Gold Medal – Seoul International Invention Fair 2024.
- Special Award – China Invention Association (2024).
- **Undergraduate Thesis:** Developed an iOS-based Exam Competency learning app using SwiftUI, Golang, React, and Gemini API to enhance accessibility and user experience.

Infinite Learning Indonesia   Remote
Non-Degree Professional Training (MSIB Program): Android Mobile Application Development   Aug 2023 – Dec 2023

📖 PUBLICATIONS

[1] **Empowerment of Inter-Student Achievements as a Form of Manifestation "Mapres Copy Mapres" Sustainable**
   Irfan Wahendra, et al.
   Proceedings of the International Conference on Entrepreneurship, Leadership and Business Innovation (ICELBI 2022).
   Atlantis Press.
   DOI: 10.2991/978-94-6463-350-4_34

💼 PROFESSIONAL EXPERIENCE

Teamly – CTO / Co-Founder   Sept 2025 – Present
- Designed scalable and efficient backend architecture for an AI-powered founder and team-matching platform.
- Developed AI-driven matching algorithms based on personality, skills, roles, and project goals.
- Built backend systems, server infrastructure, and managed external API integrations (e.g. OpenAI, Supabase, n8n).
- Created product prototypes and user-centered digital designs for web and mobile.
- Implemented AI-based automation to enhance development and operational efficiency.

Appskep – UI/UX Designer   Aug 2022 – Present
- Designed user-centered UI/UX solutions for multiple product systems in the healthcare and education space.
- Conducted user research, wireframing, and prototyping to create intuitive and accessible interfaces.
- Collaborated with cross-functional engineering teams to translate design concepts into functional, high-quality products.
- Developed and maintained design systems to ensure consistency and scalability across products.

Hirai.io – UI/UX Designer   Mar 2025 – Jul 2025
- Designed a modern, AI-driven B2B recruitment platform to enhance hiring efficiency.
- Created user flows, design systems, company logo, and UI/UX for the platform.
- Developed interactive prototypes for internal validation and stakeholder reviews.
- Collaborated closely with the owner and development team to align implementation with product goals.

Tokopedia Academy – Student Tech Hub Ambassador   Jun 2023 – Oct 2024

- Collaborated with Tokopedia Academy to organize student-focused events and activities.
- Learned various technical topics through hands-on workshops and project-building activities.
- Received leadership coaching to support roles in community and event management.

Diskas – Founder   Dec 2021 – Aug 2024
- Founded a mentorship platform connecting students with mentors.
- Collaborated with 3+ companies, agencies, and universities.
- Launched 4 services to help students find mentors and grow their skills.
- Organized social and community events, serving 150+ users per month.

Gerakan Nasional 1000 Startup Digital – Volunteer (Partnership & Operations)   May 2022 – Dec 2022
- Supported startup ecosystem activities in collaboration with West Sumatra government and local stakeholders.
- Helped organize the "Ecosystem Connect" event by gathering information from local founders and communities.

BISA AI Academy – Student Ambassador   Dec 2021 – Mar 2022
- Served as speaker and moderator at webinars with 100+ participants.
- Helped plan event timelines and supported operational and organizational tasks.

We The Genesis – Volunteer UI/UX Designer   Aug 2021 – Nov 2021
- Conducted user research and created responsive wireframes for mobile and desktop.
- Assisted in improving visual design for user interfaces.

👥 ORGANIZATIONAL EXPERIENCE

BPMAI – Media & Event Coordinator   Padang, Indonesia
- Led a team in executing event coordination and developed a social media strategy.
- Collaborated closely with other departments to ensure effective communication.

FSKI RABBANI UNAND – Member of Rabbani Media Center Design Division   Padang, Indonesia
- Developed a daily content calendar and created captivating visual content to engage the audience.

🏆 ACHIEVEMENTS

- Gold Medal – Seoul International Invention Fair 2024
- Special Award – China Invention Association (2024)
- Champion – National Poster Design Competition
- TOP 25 Entrepreneur Competition – LPDP (2021)
- 2nd Runner Up – Business Idea Competition – Dinamika University (2021)
- TOP 150 Social Project – Innovillage (2022)

🖥 TECHNICAL SKILLS

- **Programming & Mobile:** Swift, SwiftUI, UIKit, Storyboard, Xcode, iOS Development, Kotlin, Java, Jetpack Compose, Dart, Flutter, REST API, OOP, MVVM.
- **Backend & Web:** Golang, React, MySQL, Firebase, basic cloud services.
- **Tools & Design:** Git, GitHub, Figma, UI/UX Design, Prototyping, Design Systems.