

HOSEA FELIX SANJAYA

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Informatics Engineering student at ITS (GPA 3.77/4.00) focused on privacy-first software: apps that run machine-learning models directly in the browser or on the user's own GPU, so audio, video and photos never leave the device. Leads sponsorship for Schematics ITS, a national IT event, and the Event Bureau of HMTC ITS.

Jenjang Pendidikan

SMAN 2 Kediri - **Veteran Street No.7, Mojoroto, Kediri** Jul 2021 - Jul 2024

Senior High School, Science, 92.85/100.00

- Ranked in the top 30 of students eligible for SNBP (national merit-based university admission).

Institut Teknologi Sepuluh Nopember - **Teknik Kimia Street, Keputih, Surabaya** Aug 2024

Bachelor of Informatics Engineer, 3.77/4.00

Pengalaman organisasi

Schematics ITS - **Surabaya/Indonesia** Apr 2026 - Sekarang

Head of Sponsorship

Yearly national IT event held by the Department of Informatics, ITS.

- Lead a team of 7 sponsorship staff, assigning each prospect and tracking every deal from first contact to signed contract.
- Set the sponsorship tiers and fundraising plan for Schematics 2026 against the event's funding target.
- Negotiate contract terms with corporate partners and oversee delivery of 100% of the agreed branding.

Schematics ITS - **Surabaya/Indonesia** Mar 2025 - Dec 2025

Staff of sponsorship

Yearly national IT event held by the Department of Informatics, ITS.

- Pitched Schematics 2025 to 160+ prospective corporate sponsors.
- Closed and managed 10+ active sponsors through the full event cycle.
- Delivered 100% of contracted branding for every sponsor I handled.

HMTC ITS - **Surabaya/Indonesia** Mar 2026 - Sekarang

Head of Event

Student association of the Department of Informatics, ITS, representing 1,000+ students.

- Lead the Event Bureau behind 2 flagship events, TC Grandcup and TC Quadrathlon.
- Own the logistics, budget and equipment for each event.
- Coordinate committees and participants so every event follows the cabinet's work program.

Farewell Party HMTC ITS - **Surabaya/Indonesia** Dec 2025

Staff

Student association of the Department of Informatics, ITS, representing 1,000+ students.

- Planned the theme, rundown and activities of the outgoing cabinet's farewell for 40+ members.
- Set up the venue and equipment, and ran both main segments on schedule.

HMTC ITS Internship - **Surabaya/Indonesia** Nov 2025 - Dec 2025

Staff Internship

Student association of the Department of Informatics, ITS, representing 1,000+ students.

- Served as liaison officer for speakers and guests at an event with 100+ attendees.
- Prepared technical equipment and resolved on-site logistics and technical problems during the event.

GDGoC ITS - **Surabaya/Indonesia** Nov 2024 - Sekarang

Member

Google-supported student developer community at ITS.

- Attended 4+ workshops on machine learning, cybersecurity and software engineering.
- Completed 5+ mini-projects and learning modules.

TDC ITS - **Surabaya/Indonesia** Sep 2024 - Sekarang

Member

ITS student community for technology entrepreneurship and startups.

- Attended 3+ training sessions on business development, startup strategy and product validation.
- Analysed business cases on market analysis and scaling.

UKKRIS - **Kediri/Indonesia** Aug 2022 - Aug 2023

Treasurer

Christian student organisation at SMAN 2 Kediri.

- Managed the budget and bookkeeping for 100+ members, covering Rp 12,000,000+ in transactions over one school year.
- Prepared 12 monthly financial reports and 1 annual report for the board, with zero discrepancies.

Keterampilan, Prestasi & pengalaman lain

- **Project: Scribe (Electron, React, Whisper, WebGPU)** : Desktop app that transcribes YouTube links, Google Drive files and local video. Runs OpenAI's Whisper on the user's own GPU, so recordings never leave the device. Transcribes a 15-minute talk in 58 seconds and exports to Word, SRT and plain text.
- **Project: Gremlin (Electron, TypeScript, Web Audio, RNNoise)** : Real-time voice changer that works as a virtual microphone in Discord, Zoom and OBS. Built the audio pipeline on the Web Audio API with RNNoise noise suppression. Runs on Windows, macOS and Linux with 16 voices, a soundboard and global hotkeys.
- **Project: Wave (TypeScript, React, MediaPipe, PDF.js)** : Controls slide presentations with hand gestures over a webcam: swipe to change slides, point for a laser, pinch to draw. Hand tracking runs fully in the browser, so no camera footage is sent anywhere.
- **Project: Graphium (Electron, JavaScript, Ghostery)** : Lightweight Chromium-based browser with built-in ad blocking, split view and a command palette. Tabs sleep after 10 minutes idle to free memory.
- **Project: Call-me (Node.js, WebRTC, WebSocket, SQLite)** : Self-hosted group video calls and chat with no time limit, including channels, screen sharing and one-click meeting links. Uses WebRTC for media, WebSocket for signaling and SQLite for storage.
- **Project: Pluck (JavaScript, Canvas, ONNX Runtime)** : Removes photo backgrounds in the browser, either automatically by detecting the subject or manually with a brush. The segmentation model runs on ONNX Runtime inside the page, so images never leave the device.
- **Project: Super Tools (Next.js, TypeScript, pdf-lib, Three.js, Hugging Face)** : Free collection of PDF, image and 3D tools. PDFs are edited entirely in the browser with pdf-lib, and a photo, sketch or text prompt can be turned into a 3D model through Hugging Face models.
- **Project: Unfinalized (JavaScript, Three.js, viem)** : Browser parkour game where every platform is a live Ethereum transaction, read from the chain in real time with viem. The player climbs toward the newest block while the floor rises behind them.
- **Other Projects**: Artha Pamenang company profile website (HTML, CSS, JavaScript), arthapamenangsyariah.netlify.app. More at hoseafelix.dev.
- **Achievements** (2025): 1st place, Mobile Legends tournament, TPKB ITS.
- **Trainings**: Student Leadership & Management Training: LKMM Pra-TD, LKMW, PKTI TD
- **Hard Skills**: Programming: TypeScript, JavaScript, Python, Java, C, C++, PHP, SQL | Web & Desktop: React, Next.js, Tailwind CSS, Node.js, Express, Electron, WebRTC, Three.js, Laravel | On-device ML: transformers.js, ONNX Runtime, MediaPipe, WebGPU | Data: PostgreSQL, MySQL, SQLite, pandas, scikit-learn | Tools: Git, GitHub, Docker, Figma, Linux (Debian), Google Workspace
- **Soft Skills**: Team Leadership, Contract Negotiation, Sponsorship Prospecting, Event Planning, Budgeting, Stakeholder Communication
- **Languages**: Indonesian (Native), Javanese (Native), English (Intermediate)
- **Strengths**: Analytical Problem Solving, Adaptive Technical Learning, Persuasive Negotiation, Detailed Project Coordination, Collaborative Teamwork
- **Weaknesses**: Public Speaking Anxiety (improving through leadership roles); Over-attention to Detail (refining through time management); Tendency to Over-analyze (balancing with efficient decision-making)