

Ghefin Indra

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QUALIFICATIONS PROFILE

I am a full-stack developer with experience across frontend, backend, and database development for web and mobile applications. I work with React, Node.js, Flutter, MySQL/Firebase, Python, and Git, and I have applied Python to build AI-enabled features such as chatbot integrations and automated document processing, while maintaining a strong focus on end-to-end product delivery.

EDUCATION

TELKOM UNIVERSITY

Informatics – GPA 3.66

2022 - 2026

Related Coursework

Data Structures and Algorithms | Object-Oriented Programming | Database Systems

Software Engineering | Web Development | Mobile Application Development

Machine Learning | Artificial Intelligence | Generative AI

EXPERIENCE

PT. INFOMEDIA NUSANTARA

Full-Stack Developer Intern

Aug 2025 – Present

- Built integration-heavy e-commerce operations features, including centralized SKU management, OAuth 2.0 marketplace connections, secure webhook handling, and stock/order workflows to support multi-platform commerce operations.
- Delivered real-time product flows for customer-facing ordering, including QR-based ordering journeys, live order status updates using Socket.IO, and an operator-facing Kitchen Display System to improve speed and visibility in daily operations.
- Developed internal desktop tooling for controlled outreach workflows, including QR-based login, CSV/Excel import, templated messages with variables, configurable delays, group messaging, and message monitoring in a cross-platform Electron app.
- Built a mobile utility focused on automation and safety, implementing rule-based spam detection and auto-deletion with whitelist protection, activity logs, and real-time notifications to reduce manual cleanup and missed important messages.
- Also contributed to other internal web apps and dashboards, applying consistent API patterns, authentication, and maintainable delivery across projects.

TELKOM INDONESIA

AI Engineer Intern

Sep 2025 – Jan 2026

- Developed an automated commissioning document validation system: OCR from PDFs, data extraction, Excel cross-checks, signature verification using multimodal models, date-range checks, and BOQ calculation/validation.
- Built a multi-provider LLM benchmarking app with parallel execution, latency tracking, quality scoring, and an analytics dashboard for comparing results.
- Created a POI enrichment pipeline for enterprise datasets: batch CSV processing, multi-engine grounded search, and structured summaries across multiple profile types (e.g., company profile, SWOT, strategic highlights).
- Built a finance analytics chatbot: natural language to SQL, Excel-to-SQLite ETL, GraphQL real-time updates, and chart-based insights.
- Delivered production-ready services with Python/FastAPI and internal UIs (Streamlit/Chainlit), packaged with Docker and deployed on Azure.

ORGANIZATIONAL EXPERIENCE

CENTRAL COMPUTER IMPROVEMENT

Data Research

Jan 2025 – Jan 2026

- Participated in data processing and analysis using machine learning and deep learning.
- Applied supervised and unsupervised learning techniques to real datasets.
- Assisted in building predictive models and improving data-driven insights.
- Collaborated with team to design and implement AI-driven solutions.
- Presented findings and AI insights in meetings and workshops.
- Developed and optimized algorithms for large-scale data processing.

HIMPUNAN MAHASISWA INFORMATIKA (HIMA IF)

Staff of Business and Entrepreneurship

Jun 2024 – Jan 2025

- Planned and coordinated a podcast series featuring Informatics students who own businesses, aimed at promoting student entrepreneurship and their ventures.
- Acted as podcast production operator, managing recording schedules, technical setup, editing, and publishing episodes.
- Created a business tips animation series titled “TIPIS (Tips Berbisnis),” handling concept development, scriptwriting, and animation editing.
- Designed and produced Informatics merchandise, including creating visual designs and managing online and offline sales.
- Collaborated with team members to run marketing strategies and engage the Informatics community through entrepreneurial media and product initiatives.

MARKETING CREW TELKOM UNIVERSITY

Media Team – Vlogcast Division

Sep 2023 – Aug 2024

- Contributed to the university’s promotional efforts by supporting the production of podcast content aimed at attracting prospective students.
- Served as a technical operator during podcast recordings, handling camera setup, lighting, and audio equipment to ensure high production quality.
- Edited podcast episodes for publication across Telkom University’s official media channels, maintaining brand tone and visual consistency.
- Collaborated with hosts and media team members to plan content aligned with the university’s marketing goals.
- Helped promote Telkom University to high school students nationwide through engaging and informative media content.

TECHNICAL CAPABILITIES

- Languages: JavaScript, Python
- Frontend: React
- Mobile: Flutter
- Backend: Node.js
- Database: MySQL
- APIs: REST APIs
- DevOps/Tools: Git/GitHub, Docker
- Cloud: Google Cloud Platform (GCP), Microsoft Azure

PERSONAL ABILITIES

- Able to work well in a team and independently
- Good at solving technical and logical problems
- Clear and confident in communication
- Responsible and consistent in completing tasks
- Willing to learn and adapt quickly to new technologies
- Creative in finding solutions and designing ideas
- Comfortable working under deadlines or pressure

PUBLICATIONS

- Ghefin Indra, Najwa Aulia Aziza, Hazna Hamida Saputri, “Penerapan MobileNet untuk Klasifikasi Kondisi Wajah Mengantuk pada Citra Wajah”, Journal of Informatics and Communication Technology (JICT), Vol. 7 No. 1, pp. 189–197, 2025.
- Ghefin Indra (*Presenter*), Muhammad Farhan, Widya Herry Mulyani, Muhammad Thariq Akmal, Farizsyah Razif January, Hassan Rizky Putra Sailellah, Rio Guntur Utomo, “Optimization Techniques for Enhancing Artificial Neural Network Performance in Network Intrusion Detection Using Differential Evolution” in *Proc. 2025 IEEE 9th International Conference on Software Engineering and Computer Science (ICSECS 2025)*, Pahang, Malaysia, 15–16 Oct. 2025.

ACHIEVEMENTS

- Finalist, *Machine Learning Competition: Data Slayer 3.0* — Telkom University (HMSD), 27 Nov–20 Dec 2025.
- Finalist, *External Software Development Event (Sevent) 9.0* — Telkom University, 15 Oct–11 Dec 2025.