

Yoga Krisna Utama

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PROFESSIONAL SUMMARY

Information Systems graduate from Gunadarma University (GPA: 3.60/4.00) with proven expertise in Full-Stack Web Development and AI Integration. Skilled in building scalable applications using Next.js, React 19, Laravel, and TypeScript, with practical experience developing Computer Vision solutions using Python (YOLO/OpenCV). Passionate about merging software engineering with machine learning to create intelligent user experiences. Seeking a Software Engineer role to contribute technical excellence and innovative problem-solving.

EDUCATION

Bachelor of Information Systems

Gunadarma University, 2021 – September 17, 2025

GPA: 3.60/4.00

High School Diploma (Social Sciences Stream)

SMA Mutiara 17 Agustus, 2019 – 2021

Graduation Score: 79

EXPERIENCE

Non-Fungible Token (NFT) Development in Web3 Era

February 16, 2024 – June 30, 2024

Contributed to a Web3-based development project centered on Non-Fungible Tokens (NFTs), where I conducted technical research, participated in discussions, and developed interactive features within the app. Collaborated with a multidisciplinary team to implement blockchain integration and enhance the usability and educational value of NFT-based content for users in the aquaculture domain.

Event Crew – Provalliant

June 2, 2024 – July 26, 2024

Successfully managed logistics for several large-scale public events with **over 1,000 attendees** at 3 prominent locations (Dufan, AEON Mall Deltamas, Mall of Indonesia), ensuring a smooth event flow from preparation to completion.

ORGANIZATIONAL EXPERIENCE

- **Karang Taruna**

June 8, 2024 – Present

Active member contributing to youth social initiatives, community service, and event coordination.

- **KPPS Committee Member (Voting Group 2)**

February 14 – 15, 2024

Participated as an official member in the presidential and vice-presidential election team, supporting the coordination and execution of the voting process.

PROJECTS

Rental HS – Modern Car Rental APP

- Modern car rental application with AI integration for personalized recommendations. Built with TypeScript, React 19, and Vite for optimal performance. Features include AI assistant, smart filtering, and responsive design.

Kelasku1 CBT System

- Computer-Based Test Platform Developed a comprehensive, mobile-first Computer-Based Test (CBT) platform. Built the frontend with Next.js, TypeScript, and Tailwind CSS for a responsive user experience. Developed the robust backend using Laravel and MySQL, implementing features like a student dashboard, real-time exam interface, automatic scoring, results sharing via email (Mailtrap API), and an admin panel. Utilized Laravel Sanctum for secure JWT authentication and deployed on Railway.

SYStream Movie App

- Modern Film Streaming Application Built a modern (Netflix-like) web streaming application using React 18, TypeScript, and Vite. Integrated the TMDB (The Movie Database) API for film and TV series data. Implemented a responsive design with Tailwind CSS & Bootstrap, and created a custom video player with progress tracking and error handling. Developed a full-stack movie streaming app, from concept to deployment on GitHub.

Barcode Employee Attendance System (Ruby on Rails)

- Developed a real-time, web-based attendance system using Ruby on Rails that generates unique, printable barcodes for each employee. Implemented an automated scanning workflow that intelligently detects and differentiates between *clock-in* and *clock-out* events, accurately logging timestamps to the database for reporting purposes.

Multi-Feature Computer Vision Application

- Developed a comprehensive desktop application using Python with both CLI and GUI interfaces. Integrated various real-time detection modules via webcam, including: Face, Motion, Emotion, Mask, Pose, Hand Gesture, Age & Gender Detection, and Object Detection (YOLO).

Point of Sale (POS) System

- Developed a fully functional, Laravel-based web POS system that integrated sales processing, inventory management, and real-time employee attendance tracking. Generated comprehensive reports (sales, top products, staff performance) to drive data-informed business analysis.

Car Rental Website (Full-Stack)

- Developed a full-stack car rental web application using React.js and Node.js/Express.js, featuring a secure payment gateway. Integrated an AI-powered chatbot for 24/7 customer support and booking assistance, and implemented a pricing recommendation model to suggest optimal rates based on demand and vehicle type.

E-Commerce Website "Pawon Sekar"

- Built a food e-commerce website with PHP and JavaScript, designed to increase order efficiency by 30% through an online ordering system and an admin dashboard.

Resto Padang Benerang" E-Commerce

- Developed a full-stack e-commerce system using PHP Native and MySQL, featuring dual roles for customer online ordering and comprehensive admin management (products, orders). Integrated a complete reporting module for sales, inventory, and transactions to support business analysis.

NFT Creation

- Designed and published Non-Fungible Tokens (NFTs) as part of a Web3 project, including asset design and deployment on blockchain platforms.

Generated 2D Animation

- Developed code-generated 2D animations using programming for interactive visual exploration and experimentation.

CORE COMPETENCIES

- **Technical Leadership:** Led mobile app projects with consistent and timely delivery outcomes
- **Analytical Thinking:** Identified root causes of technical issues and implemented effective fixes to improve performance
- **Agile Development:** Experienced in agile methodologies including sprint planning, code reviews, and continuous integration
- **Quality Assurance:** Ensured robust code quality through rigorous testing and documentation
- **Client Collaboration:** Communicated effectively with stakeholders to translate user requirements into impactful solutions

TECHNICAL SKILLS

- **Languages & Frameworks:** Python, JavaScript, TypeScript, PHP, HTML5, CSS3, SQL, React.js, Next.js, Node.js, Express.js, Laravel, Ruby on Rails, Tailwind CSS, Bootstrap
- **Computer Vision:** OpenCV, YOLO, Face & Emotion Detection
- **Tools & Technologies:** Git, GitHub, MySQL, VS Code, Postman, Laragon, Vite
- **Design:** Blender (3D Modeling), Adobe Illustrator (Vector Graphics)

CERTIFICATIONS & TRAINING

COURSE

- LEPKom UG: Fundamental Networking
- LEPKom UG: Fundamental Desktop
- LEPKom UG: Cisco for Beginner
- LEPKom UG: Java (J2SE) for Beginner
- LEPKom UG: Cisco for Intermediate
- LEPKom UG: Java for Intermediate

WORKSHOP

- Building Website Using HTML 5
- Codecademy: Learn PHP – Introduction
- Codecademy: Learn HTML
- Codecademy: Learn SQL
- Codecademy: Intro to Generative AI

CERTIFICATES

- Building Website Using HTML 5 – FIKTI Learning
- Non-Fungible Token (NFT) Development in Web3 Era – MySkill (Kampus Merdeka Program)
- Member Certificate of KPPS – Presidential and Vice Presidential Election
- Creating Business Intelligence – May 27, 2025 (In progress: Digital Signature Process)
- Data Preparation for Business Processes – September 23, 2024
- Java for Intermediate – August 19, 2024
- Wide Area Network Using Cisco Router for Intermediate – February 19, 2024
- Java Programming for Beginner – August 21, 2023
- Building Website using HTML5 – May 30, 2023
- Local Area Network Using Cisco Router – February 20, 2023
- Fundamental Desktop Programming – August 22, 2022