

# **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**

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### **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**

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### **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**

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- 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

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### 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

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- **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

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- **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

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### 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