

MUHAMAD GALIH

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Purwokerto, Banyumas, Jawa Tengah

A student at Jenderal Soedirman University's Faculty of Engineering and Informatics Department. I am passionate about web development, artificial intelligence, and graphic design, and I am always looking for new ways to increase my knowledge and skills in these areas. Passionate about using cutting-edge technology to provide unique solutions. Capable of collaborating well, adapting to demanding conditions, and motivated by a strong desire to learn and progress.

Work Experiences

Badan Kepegawaian dan Pengembangan Sumber Daya Manusia (BKPSDM) Kota Banjar - Kec. Banjar, Kota Banjar, West Java 46321

Jul 2024 - Sep 2024

Fullstack Web Developer

- I created a prototype of a self-study assignment submission system for civil servants (PNS) in Banjar City, eliminating physical submissions and saving around 30% on transportation costs and 40% on submission errors. Built using PHP, JavaScript, Laravel, and MySQL, the system improves task management efficiency by reducing administrative overhead by around 30% and speeds up the approval process by 50%. The black-box testing of the system was completely successful.

Education Level

Madrasah Aliyah Negeri 02 Cilacap - Cilacap, Central Java

Jun 2019 - May 2022

Senior High School Islamic Senior High School, 91.00/100.00

- Awarded a 3-year scholarship that covers all school tuition.
- Vice President of Fine Arts Extracurricular, successfully organizing an exhibition with 65+ participants.

Universitas Jenderal Soedirman - Purwokerto, Indonesia

Aug 2022 - Aug 2026 (Expected)

Bachelor Faculty of Engineering, Department of Informatics, 3.78/4.00

- Completed all curriculum and 20+ projects, demonstrating excellent problem-solving and time management abilities.
- I created 30+ promotional items for student events.

Organisational Experience

Himpunan Mahasiswa Informatika Unsoed 2023 - Purbalingga, Indonesia

Feb 2023 - Dec 2023

Staff Medkominfo

- As the main designer divisi, I worked with a team of three designers and was in charge of developing 50+ Instagram feed updates.
- Created Instagram feed material to accompany the release of the HMIF Unsoed Cabinet 2023.
- Collaborated with a team of three to publish the "Imagz" magazine in 4 editions.

Himpunan Mahasiswa Informatika Unsoed 2024 - Purbalingga, Indonesia

Feb 2024 - Dec 2024

Staff Medkominfo

- As the lead designer, I led a team of three designers and was in charge of producing more than 60 Instagram feed and story posts.
- Collaborated with a team of three to publish the "Imagz" magazine, which was released in four editions.

Paguyuban Sinau Programming - Purbalingga, Indonesia

Feb 2024 - Oct 2024

Coordinator PDD (Publications, Decorations, and Documentation)

- Managed and developed interesting material for PSP 2024's Instagram account, guaranteeing consistent branding and encouraging great involvement with an audience of +50 participants.
- Designed the branding logo for the PSP 2024 event, which was consistent with the event's theme and ambitions.
- Documented and delivered live reports for all 16 meetings, covering key moments and updates.

Training Center HMIF Unsoed - Purbalingga, Indonesia

Nov 2024

Coordinator PDD (Publications, Decorations, and Documentation)

- Led the development of the event's branding strategy, which included creating banners, posters, and an Instagram feed to guarantee consistency.
- Created posters, banners, Instagram feeds, and promotional films for the event, which attracted +60 people.

Pemira (Pemilihan Raya) Ketua HMIF Unsoed 2025 - Purbalingga, Indonesia

Dec 2024 - Jan 2025

Coordinator PDD (Publications, Decorations, and Documentation)

- Led a PDD team of five individuals.
- Developed a design theme for Pemira media to guarantee uniformity across feeds, posters, Instagram stories, and other promotional

materials.

- Produced 10+ event materials for Pemira, including promotional posters, banners, VBG, feed Instagram, and story Instagram.

Kuliah Kerja Nyata Desa Kalitengah - Banjarnegara, Indonesia

Jan 2025 - Feb 2025

Coordinator PDD & government services

- Creating a branding concept for KKN Desa Kalitengah, which includes designing a logo, color palette, Instagram feeds, and other media pieces.
- Managed all program design requirements, including designing 35+ Instagram feed posts for the 35-day event, managing 100+ daily live report stories, and creating 3+ videos, including the village profile video, a recap video summarising the 35-day KKN activities, and promotional videos for local MSMEs to support community businesses.
- As the government service representative, I oversaw the archiving of village land data, offered administrative support to village inhabitants in need, updated the village website, and developed a WhatsApp bot prototype for village services.

Skills, Achievements & Other Experience

- **Achievements:** Favorite Winner in the T-shirt Design Competition organized by the Student Executive Board (BEM) of the Faculty of Engineering Unsoed (2022); 1st Place in the Poster Design Competition at the Informatics Championship organized by HMIF Unsoed (2023); 1st Place in the Poster Design Competition at the Informatics Championship organized by HMIF Unsoed (2024).
- **Interest:** Designing visually compelling graphic designs and UI/UX interfaces, developing functional web applications, and exploring machine learning and data mining techniques to solve complex problems.
- **Soft Skills:** Teamwork and Collaboration, Creativity, Problem-Solving, Communication, Adaptability
- **Hard Skills:** Adobe Illustrator, Adobe Photoshop, Figma, Canva, Capcut; HTML, CSS, JS, PHP, Laravel, React.js, Express.js, Database, Python; Microsoft Office, Word, Excel, Powerpoint; Typing speed of approximately 90 WPM.
- **Certifications:** Dicoding (Introduction to Web Programming, Basic SQL, Introduction to Data Science, Introduction to Python Programming, Introduction to Data Visualization, etc.), Udemy (Website Developer Bootcamp, Laravel: Beginner to Advanced, etc.), and Kominfo (Bootcamp Talent Scouting Academy Cyber Champion Digital Talent Scholarship 2024).
- **Projects:** Website Pengajuan Tugas Belajar Mandiri, A prototype website for submission of learning tasks for civil servants in the city of Banjar with features such as submission, approval, and status tracking.; Optimalisasi Pemenuhan Gizi dengan Algoritma Genetika untuk RDA, Developing a Genetic Algorithm model for optimum solutions to meet the Recommended Dietary Allowances (RDA).; Optimalisasi Portofolio Saham dengan Algoritma Genetika, Implementing a Genetic Algorithm to determine an optimal stock portfolio composition using a multi-objective approach.; Profiling Cluster Data Pengguna Spotify, Modeling Spotify users using Machine Learning: Dimensionality reduction, clustering, and association rule analysis.; Prediksi Harga Emas dengan Klasifikasi dan Regresi, Building a Classification and Regression Model for predicting Gold Prices using historical data.; Aplikasi Pengolahan Citra Digital, Application for digital image processing with basic image processing features such as filtering, edge detection, segmentation, and geometric transformations.; Eksplorasi VM untuk Menemukan File Tersembunyi melalui Penetration Testing, Unrestricted File Upload vulnerability in web applications that allows attackers to upload malicious files to the server.; CuanTrack - Aplikasi Pelacakan Keuangan Pribadi, Mobile application for personal finance tracking allowing users to record expenses, income, generate financial reports, and perform financial analysis.; Implementasi Fuzzy-SAW dalam Penentuan Dosen Pembimbing Kerja Praktek, Implementing the Fuzzy Simple Additive Weighting (Fuzzy-SAW) method in selecting the supervisor for the internship program at Universitas Jenderal Soedirman.; ChitChat, Simple text chatting application that allows users to communicate in real-time with friends. It uses WebSocket technology to provide a fast and responsive chat experience, with features such as text message sending, notifications, and friend list display.; Prediksi Produksi Daging Sapi dan Kerbau 2024 di Indonesia dengan Logika Fuzzy Mamdani, Research aimed at predicting the production of beef and buffalo meat in Indonesia in 2024 using Mamdani Fuzzy Logic method.; Optimize Random Forest Classification Performance on Lung Cancer Data Imbalance with SMOTE Method, Optimizing Random Forest classification performance on lung cancer data imbalance using the SMOTE method.; Spiderman Website, Simple web application displaying information about Spider-Man movies, with features like login and registration. Users can create an account and save their favorite Spider-Man films.; E-Raport, A simple web application for managing student report cards, allowing teachers to enter grades and automatically generate report cards. It also provides login features for teachers, students, and admins.; Rentacar - Aplikasi Penyewaan Mobil Berbasis Web dengan Laravel: A web-based car rental app built with PHP, Laravel, and MySQL, featuring user authentication, car listings, booking system, and an admin dashboard.