Titis Wahyudi Putro

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✓ Professional Summary

Ambitious and motivated student of Internet Engineering Technology, currently in the 5th semester at Sekolah Vokasi UGM, with a keen interest in data, AI/ML, and cybersecurity. Eager to apply knowledge and skills to solve real-world challenges and contribute to innovative technological solutions. A quick learner, committed to personal and professional growth, with a strong drive to stay up-to-date with emerging trends in the tech industry.

💼 Work Experience

IT Support at PT Sari Warna Asli Garment

Feb 2020 – Apr 2020 | Surakarta

– Provided comprehensive IT support for a manufacturing environment, ensuring operational continuity of critical systems.

– Managed the installation, configuration, and troubleshooting of LAN infrastructure, including cabling, switches, and network connectivity for production lines and office areas.

– Performed maintenance and repair of various hardware, including desktop computers, laptops, and printers, ensuring minimal downtime.

Assistant Laboratory (Telecommunication Engineering Laboratory) at Sekolah Vokasi UGM

Feb 2025 – Jun 2025 | Yogyakarta

– Assisted lecturers in conducting telecommunication-related practical sessions, ensuring students understood core concepts such as signal transmission, modulation, and network fundamentals.

– Supported the preparation, testing, and maintenance of laboratory equipment to ensure reliable operation during experiments.

Public Relations at Sekolah Vokasi UGM

Mar 2025 – Aug 2025 | Yogyakarta

– Edited and refined various communication materials, including articles, press releases, and social media content, to ensure clarity, accuracy, and brand consistency for the Public Relations department.

– Contributed to the visual storytelling of the college by editing photos and videos for promotional campaigns and official publications.

IT Internship at Badan Pemeriksa Keuangan RI DIY

Jun 2025 – Aug 2025 | Yogyakarta

– Developed and implemented a digital guestbook application using the Laravel framework to streamline visitor registration and data management, improving visitor registration efficiency by 40% through automation.

– Designed and managed the database structure to ensure efficient data storage and retrieval.

Data Scientist Intern at Project-Based Virtual Intern: Data Scientist ID/X Partners X Rakamin Academy

Oct 2025 – Nov 2025 | Remote

– Built and compared 3 ML models (Logistic Regression, Random Forest, XGBoost), Achieved 97.6% accuracy with XGBoost (AUC: 0.957).

– Successfully identified and removed 10 data leakage features - a critical finding that ensured model validity for production deployment

– Created comprehensive visualizations and business recommendations

Assistant Laboratory (Basic Computer Engineering Laboratory) at Sekolah Vokasi UGM

Aug 2025 – Dec 2025 | Yogyakarta

– Assisted lecturers in conducting practical sessions on fundamental computer engineering topics, including computer architecture, digital systems, and hardware components.

– Prepared, tested, and maintained laboratory equipment to ensure smooth and efficient learning sessions.

– Guided students in operating and troubleshooting hardware and software during practical classes.

🛡 Education

Senior High School at SMK Negeri 02 Karanganyar

Jun 2021 | Karanganyar

Competency Certificate in Software Engineering (RPL), Final Project: Developed an online store website using CodeIgniter framework.

Bachelor of Internet Engineering Technology at Universitas Gadjah Mada

Jul 2027 | Yogyakarta

Awarded Research Grant (DIKTI Funding) | Student Creativity Program - Entrepreneurship (PKM-K) | Gadjah Mada University

🤍 Experience

Creative Design at Kaskagama (Keluarga Mahasiswa Karanganyar Gadjah Mada)

Nov 2023 – Feb 2024 | Karanganyar

– Created visual assets for event branding, including posters, infographics, and social media content.

Executed photo and video documentation throughout event activities, from shooting to editing.

Designed and implemented event decoration concepts aligned with the event's theme.

IT and Design Staff at Gamaforce

Nov 2023 – Nov 2024

– Developed and executed visual branding strategies for events and initiatives, ensuring consistent and impactful promotional materials.
– Designed engaging Instagram feed content, adhering to brand guidelines to enhance audience engagement and online presence.
– Created custom apparel (jackets, workshirts) that effectively conveyed brand identity and boosted team morale.

– Responsible for maintaining and updating the official team website using the UGM WordPress platform. Tasks included content updates, visual design adjustments, optimizing page structure, and ensuring information is always accurate and aligned with the team's branding.

Design and Marketing Team at PKM-K (Entrepreneurship Program)

Apr 2024 – Jul 2024

– Design and marketing activities for a student entrepreneurship project funded through the Student Creativity Program (PKM-K) by Diktisaintek.

Vice Chairman at National Networking Competition (Netcomp)

Jun 2024 – Feb 2025

– Provided technical support for live streaming operations, ensuring smooth broadcast delivery and troubleshooting on-the-fly issues.
– Collaborated with the IT team in the development and maintenance of WordPress-based websites, contributing to content management and basic site functionality.

IT and Design Staff at Ramadhan Bersama Mardliyyah (RBM)

Dec 2024 – Apr 2025

– Managed end-to-end live streaming operations for various mosque activities (e.g., religious sermons, special events, community gatherings).
– Set up and configured audio-visual equipment (cameras, microphones, mixers, encoders) to ensure high-quality broadcasts.

Vice Chairman of IPTEK division at Forkom TRI

Mar 2024 – Apr 2025

– Developed and managed a community forum website using WordPress, including theme customization, plugin integration, and content moderation.
– Planned and executed professional certification events for vocational high school (TKJ) teachers and lecturers across Indonesia.

♻ Certifications

MikroTik Certified Network Associate (MTCNA) at MikroTik

MikroTik Certified Routing Engineer (MTCRE) at MikroTik

CCNA: Switching, Routing, and Wireless Essentials at Cisco

English for IT 1 at Cisco

English for IT 2 at Cisco

Operating System and Endpoint Security at Cisco

Introduction to IoT at Cisco

Cisco CyberOps Associate at Cisco

01/2023 – 01/2024

⭐ Skills

CCNA: Switching, Routing, and Wireless Essentials, English for IT 1, English for IT 2, Operating System and Endpoint Security, Introduction to IoT, MTCNA, MTCRE

‹› Projects

Database Project – MongoDB

Jan 2023 – Jan 2023

– Designed and implemented a database management system using MongoDB, focusing on data modeling, CRUD operations, and performance optimization.

SmartWaste – IoT & Python

Jan 2023 – Jan 2023

– Developed a waste monitoring prototype using Python and sensor data. Implemented real-time data collection and visualization through IoT integration.

Netcomp Website – Web Development

Jan 2024 – Jan 2024

– Collaborated with the IT division to develop and maintain the official website for the National Networking Competition (Netcomp). Built on WordPress with customized themes and plugins for event registration, news updates, and content management. Optimized site performance and ensured responsive design across devices.

Smart Water Billing System – IoT

Jan 2024 – Jan 2024

– Built an IoT-based water usage measurement system to automatically calculate billing. Integrated flow sensors, microcontrollers, and ThinkSpeak for real-time monitoring.

Flood Monitoring System – IoT

Jan 2025 – Jan 2025

– Designed and deployed an IoT solution for flood risk monitoring using water level sensors. Integrated with cloud dashboard for early warning and data analytics.

Solar Panel Cleaner – IoT

Aug 2025 – Dec 2025

– Developed an IoT-based automatic solar panel cleaning system to maintain optimal energy efficiency. Integrated sensors to detect dust accumulation and activate water-spraying and brushing mechanisms. Implemented microcontroller control logic with real-time monitoring and manual override through a web dashboard.

KKN Menyapa Komodo Webstie

Nov 2025 – Present

– Developed and deployed a modern, responsive website for UGM's Community Service Program (KKN-PPM) in Komodo District using React.js, featuring real-time recruitment system and interactive 3D UI components.

Integrated Google Drive API for scalable PDF document management and implemented Google Forms for automated applicant registration system

Managed version control with Git/GitHub, deployed on Vercel with CI/CD pipeline, and configured custom domain with Hostinger DNS

Bootcamp Komdigi Yogyakarta - Fullstack Java

Oct 2026 – Nov 2025

– Developed RESTful backend API for Library Management System using Spring Boot, JPA/Hibernate, and MySQL with 11+ endpoints

Implemented Book Management Module with CRUD operations, advanced search, automated stock tracking, and relational database design

Credit Risk Prediction Model – Machine Learning
Oct 2025 – Nov 2025

– Built a production-ready credit risk assessment system using machine learning to predict loan defaults with 97.6% accuracy (AUC: 0.957). Detected and removed 10 data leakage features, compared 3 ML algorithms (Logistic Regression, Random Forest, XGBoost), and handled imbalanced data with SMOTE. The final XGBoost model achieves 98.5% precision and 79.9% recall, capable of detecting 80% of high-risk loans. Created comprehensive EDA visualizations and actionable business recommendations for lending institutions.

Website Lembaga Persatuan Pemuda
Nov 2025 – Nov 2025

– Karang Taruna Website is a modern, responsive web application built with Vue.js to support youth community activities at the village level. This platform provides information about organizational profiles, programs, community services, events, and local empowerment initiatives.

Designed with a clean UI and optimized user experience, the website helps the youth organization communicate better with the community, publish updates, and showcase their ongoing projects.

🌐 Languages

English (Basic), Bahasa Indonesia (Fluent), Japanese (Basic)