

# WILDAN DZAKY RAMADHANI

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## SUMMARY

Beginning my career as a **UI/UX designer** in high school in 2019, I have continuously expanded my expertise in **data science** and **backend development** during my college years, starting in 2022. As a lifelong learner, I have acquired hands-on experience in multiple domains, including machine learning, statistical modeling, and computer vision. I am dedicated to leveraging data-driven approaches to solve real-world problems, conduct impactful research, and enhance decision-making processes through active participation in diverse organizations and events.

## WORK EXPERIENCE

### Nusa Quanta Indonesia - Yogyakarta

2023 - 2024

#### Data Scientist & Backend Developer

- Perform data mining, data analysis, and develop machine learning models, which are then deployed to production.
- Design, implement, and maintain backend systems, including API development and database optimization.

**Tools:** Python, Django, TensorFlow, Scikit-Learn, SQL, Laravel, Express.js, Node.js, Laravel Solidity, GCP, & Git.

### 99Design - Freelance

2022 - 2024

#### Logo Designer & UI UX Designer

- Research and design logos that effectively integrate the company's vision and mission into visual identities.
- Finalist in a fitness trainer certification website's UI/UX design competition.

**Tools:** Figma, Adobe Illustrator, Adobe XD, & Adobe Photoshop.

### PT Nuri Gaya Citra - Central Jakarta

2022 - 2023

#### Virtual Internship UI/UX Design

- Master and apply effective user experience design principles to develop user interfaces & prototypes using Figma.

### Welfara Indonesia - Yogyakarta

2022 - 2023

#### Product Designer & Brand Designer

- Develop comprehensive brand designs and provide services to enhance brand awareness both visually and intellectually.
- Serve as a consultant to companies in need of brand development services.

### Wedang Blangkon Yogyakarta - Yogyakarta

2022 - 2023

#### Social Media Designer

- Create engaging Instagram content, achieving an 1100% increase in social media impressions.
- Enhance business services by introducing innovative purchasing options and launching an online store.

## EDUCATION

### Universitas Gadjah Mada - Yogyakarta, Indonesia

2022

#### Diploma in Software Engineering Technology, Current GPA: 3.59/4.00

- Organization:** Data Mining & AI Community, Google DSC, KOMATIK UGM, ASSETS.
- Volunteer:** PPSMB UGM 2023, PORSENIGAMA UGM 2023, Liga Komatik 2024.
- Teaching Assistant:** Assisting in delivering computer programming lectures and practical sessions, significantly enhancing educational outcomes.
- Research Assistant:** Supporting lecturer's research on time series prediction of bicycle usage and developing AI-based dental medical record software in collaboration with the Kebayoran Baru Health Center Association.

## ORGANIZATION & VOLUNTEER

### General Chairman - KOMUNITAS TEKNOLOGI INFORMASI DAN KOMUNIKASI (KOMATIK UGM)

2024 - 2025

- Managing 11 divisions encompassing various IT communities at UGM, accommodating 150 members over a 6-month program with comprehensive learning facilities.
- Enhancing educational quality by developing and implementing a robust learning module program.
- Achieving an 80% increase in student participation in the GEMASTIK 2024 competition through strategic initiatives and engagement.

### Hipster - GOOGLE DEVELOPER STUDENT CLUB (GDSC)

2022-2023

- Researching and developing UI/UX for an integrated waste recycling system, adding value to its marketability.

### Data Mining & AI Staff - KOMUNITAS DATA MINING & ARTIFICIAL INTELLIGENCE

2022-2023

- Creating various learning projects in data mining, data science, and machine learning.
- Won an internal division competition, demonstrating exceptional learning and self-improvement in the field.

### Staff of the Design, Documentation, and Decoration Division - PPSMB Universitas Gadjah Mada

2022-2023

- Building the grand design for PPSMB and creating various graphic designs such as pamphlets and Instagram posts.
- Documenting the activities and planning various projects to enhance positive insights for the event.

- Conduct research and UI/UX development for the PORSENIGAMA website, adding new features to help viewers gain insights into the results of faculty competitions.

**The staff of Strategic Research - Association of Software Engineering Technology Student (ASSETS)**

- Collaborate with faculty members, administrators, and relevant stakeholders to implement proposed changes and improvements. Organize feedback mechanisms and surveys for continuous program enhancement.

## PROJECT HIGHLIGHT

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**Data Scientist & Backend Developer - Senyumini: AI-based Automated Dental Medical Record System**

- Partnered with the dental association at the Kebayoran Baru health center in South Jakarta to revolutionize the dental check-up process, enhancing efficiency by over 6000%.
- Contributed to product research and development targeting over 2,000 initial users.

*Tools: Python, Django, Laravel, Scikit-Learn, Git & SQL.*

**Data Scientist & Backend Developer - AgroSphere: AI & IoT-based Early Disease Detection System for Plants**

- Developing and integrating moving cameras on autonomous trains with an AI server for early detection and notification of plant diseases.
- Focused on enhancing agricultural productivity by reducing crop losses, contributing to increased harvest yields.
- Awarded 2nd Place at the National Vocational Olympiad 2023 in the Smart System category.

*Tools: Python, Arduino, Django, Kotlin, Scikit-Learn, Git & SQL.*

**UI/UX Designer & Data Scientist - GEMATI: Intelligent System for Food Security through Transparency, Integration, and Automation in Agriculture & Horticulture using AI, IoT, AR, and Blockchain.**

- Led the development of a super app to improve food security through the transparent distribution of subsidized fertilizers and AI-based disease detection.
- Implemented features for monitoring and predicting agricultural data using inputs from six sensors, and optimized greenhouse space using AR technology.

*Tools: Figma, Django, Solidity, Scikit-Learn, & SQL.*

## HONOR & ACHIEVEMENT

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- **2nd Place, National Vocational Olympiad Smart System 2023** - Designed and built an AI and IoT-based system for early detection of plant diseases, achieving an accuracy rate of up to 80% with new datasets.
- **Finalist, Datathon Ristek Universitas Indonesia 2023** - Led AI development for vehicle detection to analyze traffic congestion in Bandung, achieving an accuracy rate of over 70%.
- **Winner, Data Mining and Artificial Intelligence, Liga Komatik 2024** - Developed an image segmentation project for detecting strawberry plant diseases using YOLOv8.
- **Winner, Research & Software Development, Liga Komatik 2024** - Spearheaded "GEMATI," an intelligent system for enhancing food security through integrated technology solutions.
- **Winner, IoT & Embedded Systems, Liga Komatik 2024** - Developed "Keretani," an AIoT-based autonomous train for early disease detection in plants, significantly mitigating agricultural losses.
- **Winner, Scientific Writing, Liga Komatik 2024** - Authored a groundbreaking paper on using generative AI GPT for labeling strawberry plant disease images to enhance Indonesia's agricultural database.
- **Top 5 Finalist in the Animation Competition at Puspiptek Badan Riset Negara 2022**
- **Winner of the 1st Podcast Competition at Universitas Islam Indonesia 2021**
- **Winner of the 1st Poster Design Competition at Universitas Islam Negeri Yogyakarta 2019**

## SKILL

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**Hard Skills**

- **ML Engineer:** Python, Scikit-Learn, TensorFlow, PyTorch, Keras, XGBoost.
- **Backend Engineer:** Python, Django, Laravel, Flask, Node.js, Next JS, SQL, Solidity.
- **UI/UX Designer:** UI/UX Design, Graphic Design, Figma Design, Adobe Photoshop.

**Soft Skills:** Communication, Ideation, Problem-Solving, Project Scheduling, Detail Oriented, Critical Thinking

## CERTIFICATION

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- Intro to Game AI and Reinforcement Learning
- Feature Engineering
- Intermediate Machine learning
- Data Cleaning
- Intro to Computer Vision
- Intro to Deep Learning
- Intro to Machine Learning
- Data Visualization
- Python

## ADDITIONAL

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**Portfolio:** [wildanzake.nusaquanta.com](http://wildanzake.nusaquanta.com)

**Github:** [github.com/wildandr](https://github.com/wildandr)

**Language:** English, Indonesian, Arabic.

**Interest:** Machine Learning, Business Intelligence, Computer Vision, UI/UX Design, Backend Development, Product

Management, Prompt Engineering.

**Technical Tools:**

- **UI/UX:** Figma, Adobe Photoshop, Adobe Illustrator.
- **Machine Learning:** Python, TensorFlow, Scikit-Learn.
- **Backend:** Django, Flask, Laravel, Express.js, Node.js.