Nachma Olivia

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PROFILE

Nachma Olivia or Oliv for short (21) is a sixth-year undergraduate student at the Faculty of Engineering, Universitas Muhammadiyah Yogyakarta, majoring in Information Technology. Active student with a strong technical focus on Data, Databases, and UX Design. Currently serving as a Teaching Assistant for Database Administration, demonstrating capability in technical mentorship and problem-solving. Versatile experience includes structuring web and mobile systems, managing research data, and designing UI/UX prototypes. Highly adaptable and ready to leverage these organizational skills within the internship program.

EDUCATION

Universitas Muhammadiyah Yogyakarta | Bachelor of Engineering in Information Technology   2023-Present
- Cumulative GPA: 3.86

WORK EXPERIENCE

Teaching Assistant | *Universitas Muhammadiyah Yoyakarta*   **Yogyakarta**
- **Subject:** Basis Data Administration   *September 2025-Januari 2026*
- **Subject:** Basis Data Implementation   *February 2025-May 2025*
  - Mentored a total of 40 students across two semesters, providing technical guidance on SQL databases and data processing logic.
  - Managed administrative grading and attendance records with 100% accuracy using Excel and MyKlass
  - Provided technical guidance to students, troubleshooting errors in SQL queries and logic during lab sessions.
  - Managed the grading and data entry for assignments and exams, ensuring 100% accuracy in academic records.

ACHIEVEMENT & RESEARCH

Silver Medalist – PKMM-RE Research Competition | *Team Lead*   **Remote Competition**
KMM & PKMM 2025   *Feb 2025-Sep 2025*
- Project Leadership: Led a team to develop "Automation Library Input System," managing the entire lifecycle from defining user requirements to the final prototype submission.
- UI/UX Prototyping: Designed High-Fidelity interactive prototypes using Figma, focusing on intuitive navigation to solve user pain points in the legacy system.
- Data-Driven Validation: Conducted A/B testing to compare the new design against the existing system, proving a 55% increase in operational efficiency based on quantitative data analysis.
- Authored the research paper titled "A Comparative Usability Evaluation of Semi-Automated and Automated Digital Library," documenting the methodology and efficiency findings.

NONFORMAL EDUCATION

DQLab	**Remote Course**
Data Science Fundamental	August 2024
Dicoding	**Remote Course**
Basic AI, Basic SQL, Basic Python, and Fundamental of Project Manajement	September 2024
Alex The Analyst	**Remote Cource**
Data Analyst Bootcamp	September 2024

SKILLS

Soft Skill	Analytical Thinking | Problem Solving | Leadership | Attention to Detail
Hard Skill	SQL | Excel | Python | HTML/CSS | JavaScript
Software Skill	Figma | Microsoft Excel | SSMS | MySQL Workbench | VSCode | Android Studio

LANGUAGES

Bahasa Indonesia	English
Native	Proficiency