



# JOSEPH GREFFEN KOMALA

+6282251867447 | josephgreffenkomala@mail.ugm.ac.id | <https://http://www.linkedin.com/in/joseph-greffen-komala-ab1848293/> | <https://josephgreffenkomala.github.io/>





Yogyakarta

I am an undergraduate Computer Science student with a strong interest in data processing and artificial intelligence. I enjoy collaborating with others, have a passion for learning and exploring new things.

## Education Level

<b>Universitas Gadjah Mada - Daerah Istimewa Yogyakarta</b> <i>Bachelor of Computer Science, 3.89/4.00</i>	Jul 2023 - Jul 2027 (Expected)
<b>SMAS Bruderan Purwokerto - Jawa Tengah</b> <i>Senior High School</i>	Jan 2021 - Jun 2023
<b>SMA 1 Banjar Baru - Kalimantan Selatan</b> <i>Senior High School</i>	Jul 2020 - Jan 2021

## Project, Achievements & Professional Experience

- **Data Royale**  (2023): "(2nd Place) Data Science Competition organized by Kotak Riset SC, Department of Computer Science and Electronics, and the Data Science and Artificial Intelligence Division of OmahTI. This competition honed my skills in various key aspects of data science, including data wrangling, exploratory data analysis, data manipulation, and modeling."
- **Datathon**  (2024): "(2nd Place) Data Science Competition organized by Ristek UI, where participants developed an AI model to detect fraudsters and created AI innovations in search engines."
- **Compfest**  (2024): "(Finalist) Data Analysis Competition involving the creation of a dashboard using Tableau software."
- **Find IT**  (2025): "(Finalist) Competitive Programming contest emphasizing efficient algorithm design, data structures, and time-optimized coding solutions."

## Organization Experiences

<b>Omah TI</b> <i>Data Science and Artificial Intelligence Staff &amp; Skill Development Staff</i> A student-led tech community focused on skill development and applied learning in computer science.	Feb 2024 - Present
<ul style="list-style-type: none"><li>• Provided academic tutoring for computer science subjects during the 2024 Even Semester Final Exams, supporting over 100 students in understanding foundational concepts.</li><li>• Ensured the smooth execution of Front-End Development and Mobile App Development training sessions over a period of 11 months.</li><li>• Actively attended technical trainings and completed assignments related to data science and machine learning.</li><li>• Worked on major projects involving Natural Language Processing (NLP) and Recommendation Systems, applying theoretical knowledge to practical problem-solving.</li></ul>	
<b>Tanoto Scholars Association</b> <i>Human Capital Staff</i> Student organization under the Tanoto Foundation Scholarship aimed at leadership and social contribution development.	Feb 2024 - Dec 2024
<ul style="list-style-type: none"><li>• Awarded Best Staff in the Human Capital Division for exceptional dedication and performance.</li><li>• Assisted the UI (Unity Initiative) division in more than 5 programs.</li><li>• Selected the Staff of the Month for the UI (Unity Initiative) division each month for 7 months.</li><li>• Created the TSAchievement Post (November Edition), a 20-slide publication summarizing individual achievements of TSA members, aimed at celebrating and motivating scholar excellence.</li></ul>	
<b>Persekutuan Mahasiswa Kristen(PMK) MIPA</b> <i>Human Resource (Internal) Staff</i> Student Christian fellowship organization within the Faculty of Mathematics and Natural Sciences.	Mar 2024 - Dec 2024
<ul style="list-style-type: none"><li>• Coordinated birthday celebrations for over 100 active PMK members, fostering a sense of belonging and care.</li><li>• Organized a bonding night for the PMK MIPA 2024 committee to strengthen internal connections and teamwork.</li><li>• Maintained and updated the PMK database to ensure accurate internal records and effective communication.</li><li>• Contributed to internal engagement efforts by supporting member appreciation and retention initiatives.</li></ul>	

## Event Committee

<b>Christmas PMK MIPA 2024</b> <i>Vice Project Officer</i> Annual Christmas event organized by PMK MIPA, consisting of two major parts: a celebration service and a social outreach activity.	Oct 2024 - Dec 2024
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- Supervised and guided the Christmas committee across multiple divisions.
- Prepared weekly devotions and reflections for more than 5 weeks
- Led devotions during 3 large plenary meetings, fostering spiritual unity and shared purpose.
- Participated in and supported preparations throughout all major meetings to ensure smooth coordination
- Oversaw the implementation of both the service and the community food distribution program.

**Sosial Project TSA UGM 2024**

Jun 2024 - Nov 2024

*Staff of Event Division*

A social initiative held at SD Pogung Kidul focusing on disaster education for children.

- Participated in the development of event concepts and educational content.
- Created interactive games for around 40 children aged 7–9 to reinforce disaster awareness.
- Accompanied and guided children throughout the session to ensure meaningful engagement.

**Omah TI Learning Center**

Sep 2024 - Nov 2024

*Event Coordinator*

An external public training initiative by OmahTI, consisting of four open-access learning classes.

- Coordinated division members and maintained workflow efficiency.
- Ensured the smooth execution of all events through timeline management and task delegation.
- Collaborated with other divisions to align operational, technical, and promotional aspects.
- Assisted the sponsorship division and successfully helped secure 4 sponsors, including Telkomsigma, Gameloft, Sysbraykr, and another company.
- Recruited 4 expert mentors and 2 professional speakers, tailored to the theme of each class.
- Recruited 8 teaching assistants (2 per class) to ensure effective class facilitation and participant support.

**OEM OEM 2024**

Aug 2024 - Sep 2024

*Staff of Event Division*

Introductory training event for new students of Computer Science UGM, focusing on various subfields within the discipline

- Coordinated and established the event flow, ensuring smooth execution and time management throughout the sessions.
- Acted as Master of Ceremony (MC) during Data Science and Competitive Programming training sessions.
- Assisted in preparation and setup of training materials and class logistics.

**Panitia Pay It Forward 2024**

Mar 2024 - May 2024

*Staff of Content Development (Pemateri)*

Community development program in Jetis Village, held in collaboration with Sukunan Village, promoting local waste management education.

- Created and presented a session introducing Sukunan Village as a successful real-life example of community-based waste management.
- Facilitated an interactive, waste-themed card game for children to reinforce learning through play.
- Conducted a brief analysis on the urgency of waste education in Yogyakarta to support content relevance.

**Christmas PMK MIPA 2023**

Oct 2023 - Dec 2023

*Staff of Social Service*

Social outreach program held at a local orphanage as part of the annual Christmas celebration by PMK MIPA .

- Successfully organized a social service activity involving approximately 20 children, facilitating games, fellowship, and gift-giving to create an engaging and meaningful experience.
- Acted as the primary liaison between PMK MIPA and the orphanage, ensuring smooth communication, coordination, and alignment of event goals.
- Drafted the Terms of Reference (TOR) to define event scope, objectives, and division responsibilities.

**Skills, Interest & Other Experience**

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- **Scholarship** (2024): Tanoto Foundation Scholarship Awardee
- **Soft Skills:** Leadership, Public Speaking, Critical Thinking, Team Works
- **Hard Skills:** Python, Pandas, Scikit-Learn, Pytorch, Docker, Kubernetes, Tableau, Search Engine
- **Interest:** Machine Learning, NLP, Computer Vision, Recommendation System, LLM, Reinforcement Learning