



# Jana Cheren Cattlyn Worang

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Jln. P. Bawean Lingkungan V

**Portfolio:** <https://tinyurl.com/jana-worang>

A passionate and adaptable individual currently in my 5th semester of Information Systems studies with a focus on Data Fields at Universitas Sam Ratulangi. I have a strong interest in data management, system analysis, and applying technology to solve real-world problems and improve organizational efficiency. Through my active involvement in student organizations and leadership roles, I have developed skills in teamwork, performance evaluation, and advocacy. I am open to new experiences, eager to learn, and motivated to contribute meaningfully in the field of data during my internship.

## EDUCATION

### Universitas Sam Ratulangi

Bachelor Degree of Information System | GPA: 3.88/4.00

**Manado, North Sulawesi**

Aug 2023 - Present

#### Relevant Subjects:

Database Systems, Algorithm and Data Structure, Marine GIS, Human Computer Interactions, Object Oriented Programming, Software Engineering

## WORK EXPERIENCES

### Internship at Big Data Manado (Bapelitbang Office)

Manado, North Sulawesi

**Internship Period: Jul 2025 (1 Month)**

- Ensured data and system accuracy by supporting comprehensive quality assurance and control processes.
- Supported the development and maintenance of geospatial web applications by applying foundational web programming knowledge to handle and display data.
- Contributed to GIS solution development through requirements gathering and documentation, with a focus on data needs.
- Prepared user manuals and documentation for new GIS application releases, detailing data interaction.

### Mutimedia Team At GMIM Bukit Karmel Batukota

Manado, North Sulawesi

**Jan 2023 - Present**

Operate and maintain audio equipment to ensure high-quality sound during services and events. Responsibilities include setting up microphones, mixers, and speakers, adjusting sound levels, and resolving technical issues in real time. Collaborate closely with pastors and musicians to meet evolving audio needs. Train and support volunteers on equipment use. Demonstrate problem-solving, technical precision, and team coordination to enhance the overall worship experience.

## ORGANIZATIONAL EXPERIENCES

### Student Executive Board (BEM), Faculty of Mathematics and Natural Sciences

Manado, North Sulawesi

**Feb 2025 - Present**

- Represented and advocated for student interests across academic policies, financial aid, and campus facilities, ensuring inclusive decision-making.
- Communicated proactively with faculty and administrative bodies to resolve academic and administrative concerns raised by students.
- Proposed and supported policy improvements based on student feedback, contributing to more transparent and responsive faculty governance.
- Designed and led surveys, hearings, and discussions to assess and promote student rights and well-being.
- Designed and led 10+ advocacy-focused public posts and initiatives to raise awareness and drive engagement.
- Initiated and launched PANDORA (Portal Advokasi FMIPA), a centralized advocacy platform to streamline student feedback and case handling.
- Conducted surveys, hearings, and focused discussions to assess and enhance student rights and well-being.
- Currently leading the implementation of the 2025 PKKMB (New Student Orientation) program as part of ongoing committee (department) responsibilities.

### Secretary, 2025 PKKMB Committee – Faculty of Mathematics and Natural Sciences

Manado, North Sulawesi

**Jul 2025 - Present**

- Provide comprehensive administrative support for all aspects of activities and events.
- Draft official committee correspondence and formal documents in collaboration with the chairperson.
- Manage and archive all committee documents and data, ensuring organized record-keeping.
- Prepare final administrative activity reports.
- Record meeting minutes and document activity evaluation results.

Manado, North Sulawesi

- Evaluated and optimized member performance through structured feedback and performance tracking, enhancing overall team productivity.
- Developed and executed 5+ self-development webinars, focusing on soft skills, productivity, and leadership.
- Planned and facilitated 2 team bonding events, strengthening interdepartmental collaboration and internal cohesion.
- Designed and led training programs tailored to members' roles, supporting continuous skill enhancement and professional growth.
- Managed and maintained recruitment and membership data, including application tracking, performance logs, and team composition analytics using spreadsheets and data tools.
- Contributed to building an efficient and data-informed organizational structure through strategic internal initiatives.

## PROJECT HIGHLIGHTS

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### **STUNT-GIS: Non-Medical Stunting Risk Mitigation Using IoT & WebGIS-AI**

Developed a spatial data system integrating IoT sensors with a smart WebGIS platform to identify environmental risk factors contributing to stunting. The project combined real-time environmental data collection and AI-powered spatial analysis to support data-driven public health planning.

### **Cafe Sales ETL Dashboard with Streamlit**

Built an end-to-end ETL pipeline in Python to extract, clean, and visualize café sales data. Designed an interactive dashboard using Streamlit and Matplotlib to display insights like spending trends, best-selling items, and payment method analysis.

### **Tree Cover Loss Visualization in Jambi Province**

Created an interactive web map to visualize annual deforestation in Jambi using Leaflet.js and district-level GeoJSON. The map displayed color-scaled deforestation severity and supported policymakers with spatial insight for conservation planning.

## SKILLS

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### **Technical Skill**

- GIS Software: ArcGIS Pro, QGIS
- Programming: Python, SQL, PHP
- Web Mapping: Leaflet.js, GeoJSON
- Data Tools: Pandas, Matplotlib, Streamlit
- Machine Learning: TensorFlow (CNN), Scikit-learn (K-Means, PCA)

### **Soft Skills**

- Time Management
- Teamwork
- Leadership
- Communication
- Problem Solving

## CAREER OBJECTIVE

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To apply my skills in data management to support sustainable urban development and environmental monitoring by enabling data-driven decision-making.