

GIAN FELIX RAMADAN

Banyumas, Central Java | gfelixramadan@gmail.com | [linkedin.com/in/gianfelixramadan/](https://www.linkedin.com/in/gianfelixramadan/) | gianfelixr-portfolio.netlify.app

PROFILE

Graduate of the Bachelor's program in Cartography and Remote Sensing, Universitas Gadjah Mada. Competent in the fields of Geographic Information Science (GIS), Remote Sensing, Aerial Mapping, Photogrammetry, and Mapping/Cartography.

EDUCATION

- Bachelor of Science (S.Si.), Universitas Gadjah Mada** 2017-2021
Program Study Cartography and Remote Sensing
Department of Geographic Information Science, Faculty of Geography
GPA : 3.48/4.00
- Bootcamp Purwadhika Digital Technology School** May – August 2023
Fullstack Web Development

EXPERIENCE

- Individual Consultant, Kantor Wilayah BPN Kalimantan Timur** 2022
 - Facilitated the Implementation of Agrarian Reform at the Provincial Level
 - Coordinated the Provision of TORA Land Data in the Context of Asset Management for East Kalimantan Province
 - Responsible for Processing GIS-based Spatial Land Data
 - Developed a Spatial Land Model based on Agrarian Reform and GIS
- Drone Operator, Enumerator of the Faculty of Forestry, Universitas Gadjah Mada** 2021
 - Implementing Monitoring of Mangrove Rehabilitation Areas in the Riau Archipelago through Aerial Mapping Using a Multirotor Drone
 - Geotagging photo data processing survey results using ArcGIS software
- Assistant Drone Mapping Trainer, SinauGIS Consultant** 2021
 - Assisting lead trainers in delivering content and conducting hands-on practice sessions using Mission Planner, multirotor drones, and Agisoft software for both students and workers.
- GIS Operator, SinauGIS Consultant** 2021
 - Responsible for extracting geographical features from remote sensing imagery for the preparation of the Banjarasri Village Land Use Plan Map in Kulonprogo Regency, DI Yogyakarta.
 - Implemented participatory mapping for the government of Banjarasri Village during the Land Use Plan Map preparation.
- Research Assistant, Master's Program, IPB University** 2020 - 2021
 - Developed a model for land cover change and land use using digital classification with the maximum likelihood algorithm.
 - Conducted accuracy testing for land cover and multi-temporal land use mapping models.
- Cartography Practicum Assistant, Faculty of Geography, Universitas Gadjah Mada** 2020 - 2021
 - Delivered Delivered instructions and guided students in using mapping instruments and software.
 - Collaborated with the team to formulate concepts and design final exam questions.
- Assistant for Remote Sensing Practicum, Universitas Gadjah Mada** 2020 - 2021
 - Coordinated the implementation of remote sensing practical sessions.
 - Led material delivery, processed remote sensing data, and supervised the practical use of multi-rotor drones.
 - Contributed to designing the implementation concept, as well as creating final exam questions in collaboration with the assistant team.
- Assistant Practicum in GIS, Universitas Gadjah Mada** 2019 - 2021
 - Coordinated the execution of GIS practicum sessions.
 - Responsible for delivering instructional content and processing GIS data using ArcGIS and QGIS.
 - Collaborated with the assistant team to formulate implementation strategies and design final exam questions.

ACHIEVEMENTS

- **Presenter at the 33rd National Student Scientific Week (PIMNAS 33)** organized by the Ministry of Education and Culture | December 2020
- **Finalist in the 2nd Geoinnovation PetaKita Geospatial Information Agency Competition** organized by the Geospatial Information Agency (BIG) | October 2019
- **Runner up in the University of Indonesia G-Days National Scientific Writing Competition (LKTIN)** hosted by Geography Program Study, Faculty of Mathematics and Natural Sciences, University of Indonesia | November 2019
- **First Place in the National Scientific Writing Competition (LKTIN) MERCATOR LOGIN** organized by Geodesy Engineering, Faculty of Engineering, Universitas Gadjah Mada | March 2019

PUBLICATION

- Lead author and GIS data processor for "**Prediction and Simulation of Land Use and Land Cover Changes Using Open Source QGIS: A Case Study of Purwokerto, Central Java, Indonesia**" in the Indonesian Journal of Geography with Dr. Iswari Nur Hidayati (01/2020 – 06/2021).
- Lead author and remote sensing data processor in "**Analysis of Spatial Patterns of Urban Growth Using Remote Sensing Data: A Study in Purwokerto, Central Java, Indonesia**" presented at The 7th Geoinformation Science Symposium 2021 with Dr. Iswari Nur Hidayati (06/2020 – 02/2021).
- Participated in multi-temporal data processing for the systematic review study "**Analysis of Urban Comfort Level in Java Island based on Air Temperature and Air Quality in 2015 – 2019**" with Siti Saringatin, Elyana IW, and Dr. sc. Sanjiwana Arjasakusuma, S.Si., M.GIS (09/2020 – 12/2020).
- Main author and model creator of GIS Network Analysis in the Geomatics National Seminar: "**Analysis of Affordability of Health Facilities Using Network Analysis Modeling in Yogyakarta City**" with Eriko Prawunda D., Amanda Maishella, Maryam AA, and Dr. Prima Widayani, S.Si. (12/2019 – 06/2020).

ORGANIZATION AND COMMITTEE

- **Member of the Media and Information Division at the Geographic Information Science Student Association**, Faculty of Geography, UGM | 02/2018 – 02/2019
- **Member of Documentation, Design and Decoration (DDD) in the Successful Learner Training for UGM New Students (PPSMB UGM)** | 02/2019 – 08/2019
- **DDD Coordinator in the 2019 National Geography Olympiad**, Faculty of Geography, UGM | 07/2018 – 02/2019

LICENCE

- Remote Pilot Certificate - Indonesian Drone Pilots Association (APDI) – Reg. No. 1500 – 2022 (26 June 2022 – 26 June 2024)

ABILITY AND EXPERTISE

- **Geographic Information Science (GIS)**
 - GIS for Network Analysis, land cover change, settlement quality, and urban environment
 - *Software*: ArcGIS Desktop, ArcGIS Pro, and QGIS
- **Web Development**
 - Front End Development: Javascript, React JS, Chakra UI, HTML, CSS and Figma
 - Back End Development: Express JS, REST API, and SQL
 - *Software*: Visual Studio Code, My SQL, PostgreSQL, and Postman
- **Remote Sensing**
 - Remote sensing for land change analysis, time-series, settlement quality, urban areas
 - Optical remote sensing and aerial photography
 - *Software*: ENVI, Google Earth Engine, and R
- **Aerial Mapping**
 - Flight path planning, calibration, orthomosaics and photogrammetry
 - *Software*: Mission Planner, Drone Deploy, Pix4D, DJI Go series, Agisoft Photo Modeler,
- **cartography**
 - Cartography for mapping data visualization
 - *Software*: PetaKita, Open Street Map
- **Media**
 - Video editing, photography and design graphics
 - *Software*: Adobe Premiere Pro, and Corel Draw

LANGUAGE

- **Language**: Advanced
- **English**: Intermediates