

NAUFAL ZAINUL ARIFIN

GIS ANALYST | DATA ENGINEER

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GIS Analyst and Data Analyst with a passion for geospatial technology and data-driven solutions. Continuously expanding knowledge through bootcamps and online courses. Experienced in handling spatial and statistical data, leveraging GIS tools and data visualization techniques to uncover insights. Strong analytical skills in processing, interpreting, and presenting data to support decision-making. Ready to contribute to impactful projects through geospatial and analytical expertise.

EDUCATION

INSTITUT TEKNOLOGI BANDUNG

Bachelor of Urban and Regional Planning

July 2018 - May 2024

- Relevant coursework : GIS, Economics, Statistics, Data analysis, Programming
- Thesis : Identifikasi Perubahan Harga Lahan Akibat Pembangunan Masjid Al-Jabbar dengan Hedonic Pricing Method di Kecamatan Gedebage

PACMANN ACADEMY - NON DEGREE PROGRAM

May 2014 - May 2016

Data Engineer - Bright Future Program Bootcamp

- Relevant coursework : Python, SQL, Data Analyst, DevOps, Pandas, ETL Pipeline
- Intensive program covering ETL pipelines, database design, SQL, and cloud infrastructure to build scalable, high-performance data systems.

PROFESSIONAL EXPERIENCE

BPSDM Kementerian Pekerjaan Umum dan Perumahan Rakyat

Jun 2022 - Oct 2022

Regional Infrastructure Development Intern - Bandung

- Developed a national ArcGIS training curriculum, adopted by the Indonesian Ministry of Public Works for nationwide implementation.
- Designed hands-on geospatial training modules based on real-world case studies, guiding participants from zero experience in ArcGIS to being able to perform spatial analysis with theoretical understanding.

Trinusa Resources

Jul 2024 - Aug 2025

GIS Data Processing - North Morowali, Central Sulawesi

- Conducted daily, weekly, and monthly drone, Total Station (TS), and RTK data collection to support mining operations with up-to-date geospatial insights. Geospatial data analysis and mapping
- Managed inventory and stockpile tracking, ensuring data accuracy and streamlining logistical workflows.
- Utilized ArcGIS, Surpac, Agisoft Metashape, and Pix4D for data processing, visualization, and reporting, enhancing decision-making for operational teams.

ORGANIZATIONAL EXPERIENCE

Head of Campaign Division PEMIRA 2019

Sept 2019 - Jan 2020

Himpunan Mahasiswa Teknik Planologi "Pangripta Loka" ITB

- Supervised and enforced election regulations, ensuring a fair, transparent, and well-organized campaign process.
- Developed and implemented guidelines to maintain integrity and compliance throughout the election period.
- Coordinated with candidates, voters, and the election committee to ensure adherence to all regulations and ethical standards.

Deputy Head of Visual Division HMP Bersama

2020 - 2021

Himpunan Mahasiswa Teknik Planologi "Pangripta Loka" ITB

- Designed and coordinated visual materials for organizational campaigns, ensuring strong and consistent branding.
- Led a creative team in producing engaging visual content for promotional and informational purposes.
- Maintained quality control over visual assets, ensuring alignment with campaign messages and organizational values.

SKILLS

- **Languages:** English, Bahasa Indonesia
- **GIS & Mapping Tools :** ArcGIS Pro, QGIS, PostGIS, Agisoft Metashape
- **Programming & Analytics :** Python, Pandas, SQL, ETL Pipeline (Luigi), Docker
- **Business & Collaboration :** Microsoft Office (Excel, PowerPoint, Word), Power BI

CERTIFICATE

Prerequisite Course: Python - Pacmann Academy

- **Acquired skills/Knowledge:** Mastered Python fundamentals, OOP, Git, and database design through building real-world streaming and membership systems. [Certificate Link](#)

Relational Database (SQL) - Pacmann Academy

- **Acquired skills/Knowledge:** Mastered advanced SQL, database design, and optimization by building scalable food delivery and e-commerce systems. [Certificate Link](#)

Introduction to Data Engineering - Pacmann Academy

- **Acquired skills/Knowledge:** Mastered data wrangling, scraping, and ETL pipelines using Pandas and Luigi for production-ready data ingestion. [Certificate Link](#)