

ADELIA SEKARSARI

Data Scientist

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PROFESSIONAL SUMMARY

Dynamic Data Scientist with over 2 years of experience in predictive analytics, machine learning deployment, and geospatial solutions. Proven ability to deliver data-driven insights, achieving measurable business impact, including a 15% improvement in forecast accuracy and a 17% boost in operational efficiency. Skilled in Python, Azure ML, and Tableau with a strong foundation in geospatial analysis. Dedicated to solving complex problems through innovative approaches and cross-functional collaboration.

PROFESSIONAL EXPERIENCE

Data Scientist & Analytics

Bhumi Varta Technology

April 2022 – Present

- **Forecast Optimization:** Designed a revenue prediction model for 1,089 business locations, increasing forecast accuracy by 15%.
- **NLP Expertise:** Achieved 92.1% accuracy in POI matching through advanced Natural Language Processing techniques.
- **Model Deployment:** Built and deployed scalable REST APIs and pipelines using Azure ML for seamless ML model integration.
- **Automation:** Implemented AutoML frameworks for regression and classification, reducing model deployment time by 30%.
- **Visualization:** Developed interactive dashboards with Streamlit, enhancing stakeholder decision-making with real-time insights.
- **Collaboration:** Partnered with cross-functional teams on major geospatial and data-driven projects, aligning analytics with business goals.
- **Route Optimization:** Applied Traveling Salesman Problem (TSP) algorithms, improving sales route efficiency by 17%.
- **Customer Insights:** Conducted telco data analysis, identifying high-potential customers using geospatial and cannibalism analysis.
- **Dashboard Development:** Created dynamic, user-friendly dashboards in Tableau to simplify data access and reporting.
- **Prototyping:** Delivered 6 proof-of-concept solutions and spearheaded 2 strategic analytics projects.

WebGIS Developer Intern

BMKG

Jan 2021 - Feb 2021

- Built a WebGIS platform for analyzing earthquake fault lines, identifying 3 potential faults Collaborated with a multidisciplinary team to improve geospatial earthquake monitoring techniques.

GIS Developer Intern

SuperMap GIS

Oct 2020 - Nov 2020

- Designed a tourism route using network analysis and enhanced topology checker tools.
- Visualized data through dashboards in iDesktop and iPortal, earning recognition in the SuperMap GIS Contest

EDUCATION

Universitas Gadjah Mada (UGM)

Bachelor of Engineering in Geodetic Engineering (GPA: 3.73)

Aug 2017 – July 2021

- Assistant Lecturer: Delivered lectures on Coordinate System Transformation.
- Internship Research: Focused on geodynamics and GIS technologies in practical applications.

HONORS & AWARDS

- **Runner-Up**, SuperMap GIS Contest – Application Analysis Category (2022)
- **3rd Place**, LOKAVISTA Mapping Competition – Flood Risk Mapping in Semarang (2020)

TECHNICAL SKILL

- **Programming:** Python, SQL, MATLAB, HTML
- **Data Tools:** Tableau, Streamlit, Azure ML, REST APIs, AutoML
- **Geospatial Tools:** ArcGIS, SuperMap, WebGIS
- **Specializations:** NLP, Predictive Modeling, Geospatial Analysis

CERTIFICATIONS

- Rakamin - Machine Learning Specialization Certification
- AWS Academy Graduate - AWS Academy Cloud Developing
- DevNet Associate with Cisco Certification
- Women in Tech (Thematic Academy) - Digitalent Certification
- Data Science with python - Simplilearn
- Rakamin - Business Intelligence Certification

LANGUAGE

- Fluent: Bahasa Indonesia
- Proficient: English

SELECTED PROJECT

- **Revenue Forecasting for Business Expansion:** Integrated geospatial data with machine learning to predict revenue for 1,000+ locations, enabling strategic growth.
- **Advanced POI Matching:** Developed a high-accuracy NLP model combining BERT embeddings and fuzzy matching for geospatial analytics.