GUNTUR ADI WARDANA

gunturadiwardana@gmail.com | +6282221264112 | LinkedIn | Github

PROFESSIONAL SUMMARY

A highly motivated and detail-oriented statistics graduate from Universitas Sebelas Maret and Bangkit Academy 2024 with practical experience in data analysis and delivering end-to-end machine-learning solutions: data collection and cleaning, feature engineering, model training and fine-tuning, evaluation, and cloud deployment. Strong in time-series forecasting and statistical modeling, with hands-on projects across diverse sectors including health, cybersecurity, climatology, media, and retail analytics. Proficient in Python, R, SQL, and data visualization using Tableau, Power BI, and Looker Studio. Eager to turn complex data into actionable insights, deliver measurable impact, and continuously improve.

EXPERIENCE

Data Scientist Intern   Nov 2025 – Present
Bisnis Indonesia Group   *Jakarta, Indonesia*

- Developed an interactive Streamlit dashboard for financial analysis of 900+ BEI-listed companies, built a scoring framework to rank performance, and improved load speed with caching for 10× faster processing.
- Spearheaded a corporate media monitoring system by building scrapers for Google News and major Indonesian outlets, enabling reliable recurring news collection at scale.
- Built analytical pipelines for news intelligence (sentiment & spike analysis, topic modeling, and early-warning indicators); automated Large Language Model (LLM)-assisted insights into executive summaries and developed stakeholder-ready reports.
- Automated recurring dashboard data updates from official sources, reducing manual preparation and improving timeliness of reporting.

Freelance Data Analyst   Sep 2025 – Oct 2025
Yayasan Solo Peduli Ummat   *Karanganyar, Indonesia*

- Organized a large survey dataset by defining the data dictionary, controlled vocabularies, and naming conventions to enable reproducible downstream analytics.
- Built a robust data-cleaning pipeline (category normalization, spelling standardization, missing-value imputation) in Python.
- Leveraged OpenAI API and Large Language Model (LLM) to classify free text, normalize responses, resolve entity variants, and performing topic modeling on open-ended responses.
- Automated Excel report packs from Python with KPIs and charts, producing stakeholder-ready deliverables on a repeatable schedule.

Machine Learning Graduate   Feb 2024 – Jul 2024
Bangkit Academy 2024 (Led by Google, Gojek, & Traveloka)   *Remote*

- Participated in a 900+ hour intensive independent study program focused on developing industry-relevant machine learning skills
- Applied statistical and machine learning methods to real-world datasets; executed EDA, feature engineering, model selection, and evaluation using NumPy, Pandas, scikit-learn, and TensorFlow/Keras.
- Designed reproducible experimentation workflows, documenting metrics, error analyses, and model iteration logs to guide decision-making.
- Coordinated weekly consultations and instructor-led trainings (growth mindset, time/energy management, stress management, business English) to improve team velocity and delivery quality.
- Practiced software craftsmanship by versioning code with Git, packaging notebooks into reusable modules, and preparing clean hand-offs for cross-functional teammates.

EXPERIENCE

Field Data Analyst & Enumerator   Jan 2023 – Mar 2023
Political Consulting Project   *Central Java, Indonesia*

- Executed a large-scale, multi-district field survey covering 5 cities in Central Java (Boyolali, Klaten, Sukoharjo, Karanganyar, Surakarta), with a total of approximately 3,000–5,000 respondents (40–60 per subdistrict).
- Designed structured questionnaires for political satisfaction and socioeconomic evaluation of regional leaders and parliamentary members, integrating categorical and ordinal data for downstream statistical analysis.
- Performed data validation, stratified aggregation, and feature encoding to transform raw field data into analyzable datasets.
- Applied inferential statistical techniques and unsupervised clustering to segment voter attitudes based on multidimensional satisfaction indices.
- Identify determinants of political trust and infrastructure perception, emphasizing field-to-model data integrity.

EDUCATION

Bachelor of Statistics – Universitas Sebelas Maret (UNS)   Jul 2021 - Jun 2025
Grade : 3.66/4.00   *Surakarta, Indonesia*

- Completed a rigorous statistics curriculum spanning mathematical statistics, stochastic processes, linear algebra, numerical methods, optimization, and applied statistical modeling.
- Conducted an undergraduate thesis on daily air-temperature forecasting (Jumantono, Central Java), comparing MLP and LSTM within an end-to-end pipeline using Python, TensorFlow, and KerasTuner, supported by systematic evaluation and experimentation.
- Proficient in Python for applied machine learning and deep learning. Hands-on with scikit-learn, TensorFlow, and PyTorch, covering feature engineering, pipeline building, and model selection and tuning; experienced with CNN, RNN, LSTM, GRU, Transformer, and Large Language Model (LLM).
- Built a strong foundation in statistical theory and methods, including regression analysis (linear, multivariate, logistic) and multivariate analysis (PCA and clustering), supported by practical coursework and projects.
- Applied statistical software tools (SPSS and Minitab) for modeling and validation, and used Excel and Tableau to deliver clear EDA, dashboards, and decision-ready data visualizations.
- Experienced with relational databases and SQL for structured data handling, enabling reliable analytics workflows and stakeholder-ready reporting.

PROJECT

NutriSight – ML-Powered Nutrition Assistant (Bangkit 2024 Capstone) (Link)

- Spearheaded dataset acquisition and preprocessing for image-based nutrition analysis, integrating scraping, labeling, augmentation, and quality checks to improve training signal and data reliability.
- Built an end-to-end machine learning pipeline for classification, experimenting with transfer learning and systematically tracking results to converge on the best-performing model.
- Developed a standardized image preprocessing workflow (cleaning, cropping, resizing, normalization, and augmentation) to improve model robustness and generalization.
- Exported trained models to HDF5 (H5) and served inference through a lightweight Flask API; collaborated with Cloud and Android tracks on API contracts, latency targets, error handling, and integration readiness.
- Ensured reproducibility by maintaining clean project structure, versioned experiments, and dependency management (requirements), enabling consistent runs across environments.
- Produced stakeholder-ready deliverables including a product deck and short demo video; aligned scope, timelines, and acceptance criteria with mentors and PM advisor.

PROJECT

Intrusion Detection System (Turnamen Sains Data Nasional 2023)

- Developed a deep-learning intrusion detection system for a government Super App, comparing Deep Neural Networks with Multinomial Logistic Regression, Naive Bayes, and AdaBoost.
- Focused on Denial of Service (DoS), Probe, Remote-to-Local (R2L), and User to Root (U2R) atttack; transformed raw logs into analysis-ready inputs through systematic cleaning and feature preparation.
- Implemented and evaluated end-to-end models, ran intrusion simulations to validate real-time detection, and communicated findings via concise dashboards and reports.
- Achieved 95% detection, deployed the analyst interface with Streamlit, delivered an executive demo, and placed 3rd runner-up nationally in the Turnamen Data Science National 2023.

Tableau Dashboards

- **Adidas Sales Performance** (Link)
  Designed an interactive sales dashboard highlighting priority products and regions with dynamic KPIs, and contribution analysis; enabled fast drill-downs and parameter actions for decision speed.
- **Classic Models Executive Overview** (Link)
  Built an executive view of global performance with clear payment KPIs and month-over-month trends; enabled focused analysis through country and product-line filters; standardized metrics for consistent weekly reviews.
- **Coffee Chain Profit Tracker** (Link)
  Developed a profit tracker that highlights best-performing products and regions with quick slicers for state, product type, and product; surfaced actionable insights on growth and contribution.

SKILL

- **Languages & Tools:** Python, R, SQL, SPSS, Minitab, Tableau, PowerBI, Looker Studio, Streamlit, Git, Flask
- **Techniques:** Statistical Modeling, Machine Learning, Deep Learning, Predictive Analysis, Regression & Multivariate Analysis, Time Series Forecasting, Natural Language Processing (NLP), Topic Modelling
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Collaboration, Adaptability, Critical Thinking

ORGANIZATION

Statistics Student Association – HIMASTA UNS　　　　　　　　　　　　　Mar 2022 – Dec 2022
Staff Academic & Achievements

- Designed and curated a structured question bank and learning materials to strengthen students exam readiness and concept mastery.
- Led 5 supplementary class sessions for 200+ participants and built a centralized student achievement database to track progress and support performance evaluation.
- Coordinated end-to-end logistics for a Statistics Department event, managing procurement, inventory, setup, distribution, and returns to ensure all divisions had the required equipment on schedule.
- Managed Sebelas Maret Statistics Olympiad (SSO) at SSF 2022 by preparing competition needs and drafting the rundown to ensure smooth execution.

HONOR AND AWARD

- 3rd Runner-up – Turnamen Sains Data Nasional (TSDN) 2023　　　　　　　　　　Dec 2023
- 3rd Runner-up – Sebelas Maret Statistics Olympiad (SSO) 2023　　　　　　　　　Nov 2023

CERTIFICATION

- Machine Learning Specialist - Bangkit Academy 2024 (Supported by Google, GoTo, & Traveloka) (Link)
- Mathematics for Machine Learning and Data Science Specialization – DeepLearning.AI (Coursera) (Link)
- Machine Learning Specialization – DeepLearning.AI & Stanford University (Coursera) (Link)
- DeepLearning.AI TensorFlow Developer – DeepLearning.AI (Coursera) (Link)