AILEEN GHITA GIANNA

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SUMMARY

Data Science & Business Analytics graduate with strong analytical skills and experience in data analysis and business intelligence through academic projects. Proficient in SQL, Python, and data visualization, supported by a technical background in software engineering. Interested in data analytics to support data-driven decision-making and business insights in real-world environments.

SKILLS

- Data Analysis & Programming: Python, R, SQL
- Business Intelligence & Visualization: Power BI, Tableau
- Statistical & Analytical Methods: Exploratory Data Analysis, Descriptive and Inferential Statistics, Time Series Forecasting
- Analytics and Statistical Tools: SPSS, SAS (OnDemand for Academics, Studio), Excel Solver
- Technical Tools: Frontend Development: Vue.js, TypeScript, JavaScript, Android Studio, Kotlin, Java

ACADEMIC PROJECTS

Analyzing Unusual Profit Drops | Tableau

- Built an interactive storyboard with dynamic charts and calculated fields to analyze profit decline, discount effectiveness, and unprofitable products.
- Delivered insights through data storytelling and provided actionable business recommendations.

Loan Approval Risk Analysis | SAS OnDemand for Academics

- Performed data preprocessing and EDA to identify key risk factors.
- Built a logistic regression model to estimate loan approval probability and evaluated it using classification metrics to assess predictive capability and interpretability.

Exchange Rate Forecasting & Trading Strategy using Hybrid GARCH-LSTM Model | Python

- Implemented LSTM-based models to forecast Rupiah-based exchange rates by integrating volatility modelling and macroeconomic indicators.
- Evaluated baseline and tuned models using out-of-sample performance metrics.
- Translated exchange rate forecasts into trading signals and assessed risk-adjusted performance using Annualized Returns, Sharpe Ratio, and Maximum Drawdown.

WORK EXPERIENCE

PT Kokatto Teknologi Global
Jakarta, Indonesia | Apr 2022 – Oct 2024

Software Engineer (Jan 2023 – Oct 2024)

- Developed and maintained frontend web applications using Vue.js, TypeScript, and JavaScript for outbound messaging platforms, supporting broadcast messaging to up to 10,000 recipients per batch.
- Integrated frontend components with multiple APIs (WhatsApp Business, Shopify, Email services, Outbound Voice Call).
- Implemented reporting pages by integrating Metabase dashboards via APIs and assisted in modifying SQL queries to retrieve and validate data.
- Collaborated with cross-functional teams during grooming sessions to align technical feasibility with business requirements.
- Involved in deployment processes including pre-release testing, post-release validation, hot fixes, and production deployments.

Junior Android Developer (Apr 2022 – Jan 2023)

- Developed and maintained an Android application using Kotlin and MVVM architecture, achieving over 50,000 downloads.
- Worked on various application functionalities, including user interaction flows, transaction handling, and product-related features.
- Integrated frontend components with backend services using REST APIs.
- Supported fraud handling features in payment processes using circuit breaker mechanisms.
- Conducted unit testing with JUnit and Robolectric to ensure application stability.

PT Solusi Tiga Selaras
Jakarta, Indonesia | Feb 2021 – Feb 2022

Technical Team Internship

- Built the company's product landing page using Laravel and Bootstrap.
- Prepared client-facing presentations to illustrate Genesys-based solution flows and use cases based on clients' requirements.
- Assisted in defining use cases for an Automated Callback (IVR) solution for a banking client by documenting input–output flows using Excel.

EDUCATION

Asia Pacific University of Technology & Innovation (APU)
Kuala Lumpur, Malaysia | 2025 – 2026

MSc in Data Science and Business Analytics
GPA: -

Bina Nusantara University
Jakarta, Indonesia | 2018 – 2022

Bachelor of Computer Science
GPA: 3.42 / 4.00