Desy Natasha Haloho

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EDUCATION

Adelaide, Australia 2024 – Present	**The University of Adelaide** Master of Data Science. GPA: 6.71/ 7.00. Expected graduation: August 2026.
Bandung, Indonesia 2018 – 2022	**Institut Teknologi Bandung** Bachelor of Science: Mathematics. GPA: 3.68/4.00 (**Cum Laude**)

EXPERIENCE

Adelaide, Australia Aug 2025 – Oct 2025	**The University of Adelaide** *Data Science Intern* • Performed ideation, exploration, and literature review for a pilot project within the Planning and Analytics division with direct impact on University performance and internal teams. • Developed and experimented with various approaches using pre-trained transformer models in Python to classify student survey responses by appropriateness and content-based categories. • Compiled detailed and structured documentation for handover to management and code documentation on GitHub. • Presented in-depth analysis and recommendations for future deployment and integration into the operational system.
Jakarta, Indonesia Jul 2024 – Jul 2024	**PricewaterhouseCoopers Indonesia (PwC Indonesia)** *Data and Analytics Senior Associate* • Led a team of 2 associates in data analysis and workflow development to assess financial data for an IT company. Concentrated on accrual transactions and applied techniques such as exploring unusual reporting mechanisms and general ledger reconciliation in Python and Alteryx. • Designed and led a peer learning session for 30 members of the Data and Analytics team on Scala development, framework, and use cases, as well as GitHub deployment strategies and common pitfalls. • Collaborated with senior management on multiple internal initiatives including optimizing dashboard for monitoring purposes and developing a prototype for consolidation automation to support potential client proposals.
Oct 2022 – Jun 2024	*Data and Analytics Associate* • Performed as a project manager for the development and deployment of data pipeline automation for 10 products. Assessed project plans and timelines, led client daily meetings, tracked progress, designed progress reports, allocated resources, and monitored risks, successfully completing the project within 4 months. • Developed automated data pipelines using Scala and SQL to extract, aggregate, transform, reconcile, and report financial data for 12 products in a leading Indonesian unicorn. Deployed the pipelines on GitHub that reduce the financial report creation process for audits from 1 weeks to 3 hours. • Developed an automated consolidation workflow for financial statements with over 30 disclosures for an IT company with 30 sub-entities using Excel VBA Macro. • Designed an Alteryx workflow to combine multiple reports and build a Power BI dashboard to display the results for internal carbon emissions monitoring. • Built an internal prototype model for credit risk analysis using Python to support internal research. • Mentored associates and interns on multiple client engagements, including teaching automation framework, developing automation model, designing dashboards, and drafting documentation.
Jakarta, Indonesia Aug 2022 – Dec 2022	**Bitlabs Academy** *Part-time Data Analyst Mentor* • Mentored final-year bachelor's students in data analysis and provided weekly consultation session with feedback on hands-on assignments using Python and SQL. • Collaborated with a team of mentors and assistants to ensure the consistency of delivering materials and assignments solutions to support student understanding.
Jakarta, Indonesia Jan 2022 – Jun 2022	**PT Telkom Indonesia Tbk** *Data Scientist Intern* • Performed sentiment analysis to classify application reviews with an 85% accuracy and created a dashboard to visualize the result for monitoring the application performance in Looker Studio. • Built an internal prototype for a multi-class classification model to categorize product label using BigQuery ML. • Contributed to the optimization of a dashboard for visualizing daily user activity and crash analytics.
Bandung, Indonesia May 2021 – Apr 2022	**Institut Teknologi Bandung** *Research Assistant* • Conducted research under the supervision of Dr. Ikha Magdalena, S.Si., M.Sc. and successfully co-authored a published paper on dam-break waves and tidal bores, leading the development of mathematical models for wave simulations and contributing to the writing process.

VOLUNTEER

Adelaide, Australia Nov 2024 – Jul 2025	**The David Roche Foundation** *Front of House* • Volunteered fortnightly, responsible for welcoming visitors, providing information on current exhibitions and events, assisting with ticketing and souvenir purchases, and supporting guides during house tours to ensure the preservation of house interiors and collections.
Adelaide, Australia Mar 2025 – Jul 2025	**Y Suites on Waymouth** *Event Assistant* Volunteered for internal events, assisting with logistics and engaging with participants to ensure a positive experience and active involvement throughout the event.

AWARDS & SKILLS

- Microsoft Certified: Azure Data Scientist Associate (2025)
- The Indonesia Endowment Fund for Education Agency Scholarship for a full tuition Master's program (2024)
- Python, Scala, SQL, R, Azure ML, VBA Macro, MATLAB, BigQuery, Alteryx, Power BI, GitHub, Excel
- English (professional working proficiency), Indonesia (native)

REFERENCES

Nalin Gupta	Daniel Barry	Kevin Gian	Ferdinandus Christianadi
Business Intelligence Analyst	*Business Intelligence Analyst*	*Director*	*Senior Associate*
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