

DIYOUVA CHRISTA NOVITH

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EDUCATION

- Carnegie Mellon University, Heinz College, Pittsburgh, PA** **Expected 5/2027**
Master of Science in Public Policy and Management – Data Analytics
- STAN Polytechnic of State Finance, Jakarta, Indonesia** **6/2019 – 10/2021**
Bachelor Degree in Applied Accounting

SKILLS

Business Intelligence (BI) Tools: Tableau, Power BI, Google Data Studio
Data Engineering: Oracle, MySQL, PostgreSQL, Dataiku
API and Data Warehouse: Pentaho, StreamSets, Tableau Prep, JSON, REST
Programming and Analytics: Python, R, SQL, Excel
Financial Modeling: Cost Optimization, Variance Analysis, Partial Equilibrium Analysis

PROFESSIONAL EXPERIENCE

- ASEAN Single Window, ASEAN Secretariat, Jakarta, Indonesia** **6/2022 – 8/2025**
Technical Officer, Indonesian Representative
- **Data Integration:** Engineered SQL/XML trade pipelines with automated validation, improving processing speed by 25% and accuracy by 20% across ASEAN countries
 - **Policy and System Development:** Modeled data-exchange frameworks to guide digitization, securing unified message standards with Japan and China
- Ministry of Finance, Jakarta, Indonesia** **5/2022 – 8/2025**
Data Analyst
- **Quantitative Forecasting:** Designed real-time fiscal dashboards and regression forecasts, improving budget accuracy and cutting decision cycles by 15%
 - **Data Engineering | BI Engineering:** Automated data pipelines in Python and StreamSets; created KPI reports adopted by senior leadership, reducing data latency by 40%
- Atambua Customs Office, Atambua, Indonesia** **12/2016 – 5/2022**
Customs and Excise Analyst
- **Revenue Optimization:** Constructed a tax elasticity model and evaluated export-support programs, driving revenue growth by 72% in 2017 and 95% in 2018
 - **Financial Data Integration:** Supported policy design and regional trade strategies by automating revenue monitoring to elevate transparency, reducing reporting time by 30%

PROJECT

- StockMatch, Gamified AI Stock Recommender, Pittsburgh, PA** **8/2025 – 10/2025**
Data Scientist
- **Behavioral Analysis:** Built a swipe-based stock discovery system that captures interaction data to generate increasingly accurate, personalized recommendations
 - **Sentiment Analysis:** Applied Large Language Models to produce plain-English financial insights and integrated real-time news sentiment to strengthen stock evaluation
 - **Financial Risk and Portfolio Metrics:** Designed a portfolio engine that uses volatility, sector exposure, and diversification constraints to generate tailored investment portfolios in 15 swipes
- Customs Data Culture, Jakarta, Indonesia** **1/2023 – 12/2023**
Initiator and Project Manager
- **Change Management:** Launched Customs Data Culture initiative; deployed analytics systems across over 30 units, expanding data literacy nationwide and reducing manual reporting by 50%
 - **Leadership | Communication:** Trained over 100 BI analysts and over 50 data analysts; received an international award, achieving unified analytics adoption nationwide for policy execution