GOLDIUS LEONARD

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Professional Experience

AI Engineer

DERIV, Cyberjaya, Malaysia Apr 2025 – Present

- **Advanced Modeling & Decision Systems**, developed and deployed deep learning, reinforcement learning, and graph neural networks for predictive analytics, automated trading strategies, and real-time decision-making systems.
- **Natural Language Processing (NLP)**, engineered state-of-the-art NLP solutions for sentiment analysis, document processing, and customer interaction enhancements using spaCy, Hugging Face Transformers, and OpenAI APIs.
- **MLOps & Model Deployment**, ensured scalable AI model deployment and lifecycle management using MLflow, Kubeflow, TensorFlow Serving, and Seldon, with CI/CD integrations for seamless updates.

Pod Lead

USERDATA SDN BHD, Kuala Lumpur, Malaysia Sep 2024 – Apr 2025

- **Achieved a 60% improvement in chatbot response efficiency**, reducing Time-to-First-Chart (TTFC) from 5 minutes to 2 minutes and increasing satisfaction rates in insight accuracy from 70% to 80%.
- **Enhanced national-scale social media monitoring capabilities**, increasing scam detection from 1,000 to 50,000 TikTok videos per day for MCMC and PDRM.
- **Reduced cloud costs by 25%** through Azure-to-AWS migration while ensuring 100% service uptime with improved CI/CD pipelines.

Data Scientist

USERDATA SDN BHD, Kuala Lumpur, Malaysia Feb 2024 – Aug 2024

- **Developed an AI-powered chatbot** leveraging LLM and RAG, accelerating dashboard development from months to 5 minutes, saving RM 100,000+ per dashboard.
- **Secured MYR 36 million in Series A funding** and attracted potential MYR 300 million in Series B investment by showcasing AI capabilities.
- **Built and optimized chart generation LLM agents**, supporting multiple database systems with a 70% satisfaction rate.

Junior Computer Vision Scientist

VERIHUBS, Jakarta, Indonesia Feb 2023 – Jan 2024

- **Improved ID card OCR accuracy** from 85% to 95%, enhancing document detection system performance.
- **Increased document liveness detection accuracy to 90%** under extreme lighting and occlusion conditions.
- **Reduced AI model pipeline latency by 30%**, improving inference speed and client response times.

Computer Vision Scientist Intern

VERIHUBS, Jakarta, Indonesia Feb 2022 – Jan 2023

- **Enhanced face liveness detection model accuracy by 15%** through research and dataset diversification.
- **Developed an automated testing application** that reduced manual verification time by 40%.
- **Streamlined experiment documentation**, reducing onboarding time for new engineers by 20%.

Technical Skills

Programming: Python, C, Java
AI/ML Frameworks: PyTorch, TensorFlow, OpenCV, Scikit-learn, Langchain, Hugging Face
Development Tools: Docker, Kubernetes, Git, Apache Airflow, Metabase
Databases: MySQL, PostgreSQL, Redis, SQL Server
Cloud: AWS, GCP, Azure
Areas of Interest: LLMs, AI-driven Analytics, Computer Vision, Data Engineering

Education

Bina Nusantara University, Jakarta, Indonesia *Aug 2019 – Feb 2023*
Bachelor of Computer Science (Artificial Intelligence)
Summa Cum Laude (GPA: 3.92/4.0)
Thesis: SSDG Framework with Feature Mining for Face Anti-Spoofing