SEBASTIAN KURNIAWAN WINDU WIWAHA

0895421294060 | sebastiank27sept@gmail.com | https://www.linkedin.com/in/sebastian-k-988b85221/ | https://github.com/sebastianCodeNew/

AI Engineer | Machine Learning Engineer | Data Science | Informatics Graduate from Sanata Dharma University
Passionate about Artificial Intelligence, Machine Learning, and Edge Computing, with a strong background in computer vision and deep learning. Experienced in developing AI models for real-time object detection, image classification, and pattern recognition. Conducted research on CNN and CLIP for movie genre classification, and currently focused on advancing AI-driven healthcare applications. Eager to contribute to the development of real-time AI systems and edge computing technologies for smart healthcare solutions.

Research/Journal : IMPLEMENTATION OF CONVOLUTIONAL NEURAL NETWORK (CNN) AND CONTRASTIVE LANGUAGE-IMAGE PRETRAINING (CLIP) FOR FILM GENRE PREDICTION BASED ON POSTER ANALYSIS (https://jurnal.dharmawangsa.ac.id/index.php/syntax/article/view/6492/pdf)

Education Level

Universitas Sanata Dharma - Indonesia   Aug 2021 - Apr 2025
Bachelor of Computer Science, 3.65/4.00

- Conducted research on AI-based movie genre classification, utilizing CNN and CLIP for automated film categorization through poster analysis.
- Developed an AI-powered license plate recognition system, implementing OCR and computer vision techniques for automated vehicle identification.
- Completed the Bangkit 2023 Machine Learning program, gaining expertise in deep learning, model deployment, and AI-driven solutions.

Work and Relate Experiences

Indosat Ooredoo Hutchicon Digital Camp - Remote   Sep 2025 - Present
AI Engineer Learner

- Participated in IDCamp's AI Development Track, building production-level AI models and pipelines (e.g. classification, regression, or generative models), while following best practices in model validation, tuning, and version control.
- Developed and integrated AI modules into real or mock applications (front-end, back-end, or mobile) through IDCamp's AI Integration Track connecting models to APIs, handling inference, and managing seamless end-user usage.
- Collaborated with mentors and peers in cross-disciplinary teams on capstone projects, presenting work to stakeholders; enhanced communication, teamwork, and AI deployment readiness skills through IDCamp's mentorship and networking support.

Bank Central Asia - Jakarta, Indonesia   May 2025 - Aug 2025
AI Engineer Internship

- Engineered end-to-end AI pipelines for financial and banking use cases, including data curation, feature engineering, and model deployment.
- Developed robust preprocessing workflows to transform large-scale, noisy financial datasets into production-ready training inputs for ML models.
- Integrated machine learning models into banking systems, collaborating cross-functionally with data engineering and DevOps teams to ensure reliable and scalable inference in real-world environments.

DB Klik - Surabaya, Indonesia   Jan 2025 - Apr 2025
Data Science Internship

- Conducted data analysis on advertising performance to extract key insights and optimize marketing strategies.
- Developed and implemented machine learning models to improve ad targeting and audience segmentation.
- Collaborated with cross-functional teams to translate business needs into data-driven solutions.

Qarir Generator - Remote   Oct 2024 - Mar 2025
Data Science Learner

- Completed an intensive, project-based Data Science training program led by industry professionals, focusing on data preprocessing, exploration, visualization, and real-world machine learning applications.
- Executed end-to-end data analysis projects, involving data cleaning, exploratory data analysis, predictive modeling, and insight presentation using Python libraries such as Pandas, Matplotlib, and Scikit-learn.
- Participated in weekly mentoring sessions and code reviews, receiving in-depth feedback to enhance coding practices, analytical thinking, and job readiness in the Data Science field.

Indosat Ooredoo Hutchicon Digital Camp - Remote   Aug 2024 - Jan 2025
Data Science Learner

- Mastered the fundamentals of Structured Query Language (SQL) to efficiently manage and analyze databases.
- Learned Python programming for data analysis, including data manipulation, visualization, and dataset exploration.
- Gained a solid understanding of machine learning algorithms, including supervised and unsupervised learning, and built a basic machine learning model.

Google | Gojek | Tokopedia | Traveloka - Bandung, Indonesia   Aug 2023 - Dec 2023

Bangkit - Machine Learning Cohort

- Learning Machine Learning Concepts and Applications: Gained expertise in foundational and advanced machine learning concepts, including supervised and unsupervised learning, algorithm selection, and the application of machine learning techniques using Python and popular frameworks like TensorFlow.
- Collaborative Capstone Project: Participated in a collaborative capstone project, applying machine learning and data science techniques to address real-world problems, such as prediction, classification, or data analysis within a specific domain.
- Soft Skills and Industry Training: Received additional training in soft skills and industry knowledge, including project management, teamwork, and presentation skills, to build competencies required for professional roles in data science and machine learning.

Sanata Dharma University - Yogyakarta, Indonesia   Feb 2024 - Jun 2024

Teaching Assistant

- Collaborated with faculty to develop Object-Oriented Programming (OOP) curriculum materials using Java, enhancing students' analytical and problem-solving skills in structured programming.
- Facilitated hands-on sessions that applied OOP principles to real-world data-driven problems.
- Provided students with constructive feedback on assignments, with an emphasis on data processing techniques, logic structuring, and best practices in coding.

Bank DBS - Remote   Jan 2025 - Jul 2025

Machine Learning Cohort

- Participated in a fully-sponsored, industry-grade bootcamp organized by DBS Foundation and Dicoding, covering Python, SQL, data visualization, supervised/unsupervised learning, and real-world ML applications.

Skills, Achievements & Other Experience

- **Modules Taken** ✅ (2023): Google : Prepare Data for Exploration by Coursera
- **Modules Taken** ✅ (2023): Google : Introduction to Git and GitHub by Coursera
- **Modules Taken** ✅ (2023): Google : Foundations: Data, Data, Everywhere by Coursera
- **Modules Taken** ✅ (2023): Google : Ask Questions to Make Data-Driven Decisions by Coursera
- **Modules Taken** ✅ (2023): MSIB 5 : Bangkit Graduate (Machine Learning)
- **Modules Taken** ✅ (2023): Google : Crash Course on Python by Coursera
- **Modules Taken** ✅ (2023): Google : Process Data from Dirty to Clean by Coursera
- **Modules Taken** ✅ (2023): Google : Share Data Through the Art of Visualization by Coursera
- **Modules Taken** ✅ (2023): Google : Analyze Data to Answer Questions by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai, Stanford University : Unsupervised Learning, Recommenders, Reinforcement Learning by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai, Stanford University : Supervised Machine Learning: Regression and Classification by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai : Structuring Machine Learning Projects by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai : Natural Language Processing in TensorFlow by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai : Probability & Statistics for Machine Learning & Data Science by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.AI : Advanced Deployment Scenarios with TensorFlow by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.AI : Calculus for Machine Learning and Data Science by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai : Linear Algebra for Machine Learning and Data Science by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.Ai : Sequences, Time Series and Prediction by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.AI : Data Pipelines with TensorFlow Data Services by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.AI : Convolutional Neural Networks in TensorFlow by Coursera
- **Modules Taken** ✅ (2024): Dicoding Indonesia : Belajar Dasar Data Science
- **Modules Taken** ✅ (2023): DeepLearning.Ai : Device-based Models with TensorFlow Lite by Coursera
- **Modules Taken** ✅ (2023): DeepLearning.AI : Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning by Coursera
- **Modules Taken** ✅ (2024): Dicoding Indonesia : Belajar Analisis Data dengan Python
- **Modules Taken** ✅ (2024): Dicoding Indonesia : Belajar Dasar AI

- **Modules Taken** ⊘ (2024): Dicoding Indoesia : Belajar Machine Learning untuk Pemula
- **Modules Taken** ⊘ (2024): Dicoding Indonesia : Belajar Dasar Structured Query Language (SQL)
- **Modules Taken** ⊘ (2023): DeepLearning.AI, Stanford University : Advanced Learning Algorithms by Coursera