

MAXALMINA SATRIA KAHFI

maxalmina.kahfi@gmail.com • linkedin.com/in/maxalmina/ • github.com/maxalmina

EDUCATION

Master of Computer Science

Aug 2022 – Jul 2024

Faculty of Computer Science, Universitas Indonesia, Indonesia

- Master's Thesis: *Integration of Tags and News Entities in News Recommendation System in Indonesian Language Using Neural News Recommendation with Attentive Multi-View Learning*
- Supervisors: [Evi Yulianti](#), [Alfan Farizki Wicaksono](#)
- GPA: 3.85/4. Graduated with Cum Laude

Bachelor of Informatics

Aug 2016 – Sep 2020

School of Computing, Telkom University, Indonesia

- Final Project: *Lip Motion Recognition for Indonesian Vowel Phonemes Using 3D CNN*
- Supervisors: [Kurniawan Nur Ramadhani](#), [Anditya Arifianto](#)
- GPA: 3.87/4. Graduated with Cum Laude

WORK EXPERIENCES

Data Scientist

Apr 2025 – Present

detik.com – Detik Network, Indonesia

Developed AI/ML solutions including a comment moderation system to reduce toxicity and an AI-assisted newsroom tool that helps editorial teams identify trending topics using the user needs framework in journalism. Conducted research on RAG (Retrieval-Augmented Generation) for journalism applications such as chronological summarization and news topic question-answering.

Associate Data Scientist

Aug 2022 – Mar 2025

Oval – Kompas Gramedia, Indonesia

Developed AI/ML solutions, including an uplift model to target persuadable customers, achieving a 10% reduction in marketing costs and higher email marketing conversion rates. Led AI adoption in the media industry by leveraging Large Language Models for automated content generation, AI-powered typo checking, tone adjustment, and Named Entity Recognition (NER) to support editorial workflows.

Data Analyst

Jan 2021 – Aug 2022

Oval – Kompas Gramedia, Indonesia

Conducted product and customer behavior analysis for Gramedia Retail, a Kompas Gramedia business unit covering online and offline stores. Implemented automated personalized email marketing campaigns, achieving a 5% year-over-year increase in revenue contribution.

Data Engineer Intern

Nov 2020 – Jan 2021

Qasir, Indonesia

Created a data pipeline for ETL using Apache Airflow and PostgreSQL.

Data Scientist Intern

Jan 2020 – June 2020

Telkom Indonesia, Indonesia

Worked on churn prevention for IndiHome and age-gender classification using UseeTV data (Inrate Project), and conducted dynamic modeling for COVID-19 forecasting in Indonesia.

Data Science Intern

May 2019 – Aug 2019

Algoritma Data Science Education Center, Indonesia

Built a performance management tool for education professionals featuring a data analytics dashboard and sentiment analysis ML models. Instructed students as a teaching assistant for Python for Data Analytics.

TEACHING EXPERIENCES

Programming Tutor – Part time

Aug 2025 – Present

Thariq Bin Ziyad Senior High School, Indonesia

Tutored senior high school students in C++ programming, covering fundamental concepts including variables, control structures, functions, and basic algorithms to build problem-solving skills.

- **Teaching Assistant – Part time** Sep 2018 – May 2020
School of Computing, Telkom University, Indonesia
 Assisted lecturers in teaching courses including Machine Learning, Artificial Intelligence, Formal Languages and Automata Theory, and Design and Analysis of Algorithms.
- **Teaching Assistant – Part time** Oct 2019
School of Computing, Telkom University, Indonesia
 Served as a teaching assistant for a 1-month Machine Learning and Artificial Intelligence course at Fresh Graduate Academy Digital Talent Scholarship (Telkom University and Ministry of Communications and Information Technology, Republic of Indonesia).

PUBLICATIONS

- [1] **SEADialogues: A Multilingual Culturally Grounded Multi-turn Dialogue Dataset on Southeast Asian Languages**
arXiv preprint, 2025
 Muhammad Dehan Al Kautsar, Aswin Candra, Muhammad Alif Al Hakim, **Maxalmina Satria Kahfi**, Fajri Koto, Alham Fikri Aji, Peerat Limkonchotiwat, Ekapol Chuangsuwanich, Genta Indra Winata
<https://doi.org/10.48550/arXiv.2508.07069>
- [2] **Enhancing Indonesian News Recommendations through Metadata Integration with Neural Attentive Multi-View Learning**
preprint, 2025
Maxalmina Satria Kahfi, Evi Yulianti, Alfian Farizki Wicaksono
<https://doi.org/10.22541/au.175214356.69747793/v1>
- [3] **Incorporating News Tags into Neural News Recommendation in Indonesian Language**
International Journal of Advanced Computer Science and Applications (IJACSA), 2023
Maxalmina Satria Kahfi, Evi Yulianti, Alfian Farizki Wicaksono
<https://doi.org/10.14569/IJACSA.2023.01411124>
- [4] **Optimization Back Propagation Algorithm with Feature Engineering to Predict Building Hourly Consumption Energy**
International Conference on Electrical Engineering and Informatics (ICELTICs), 2020
 Ichwanul Muslim Karo Karo, Fikhri Masri, Nuurshadieq, **Maxalmina Satria Kahfi**
<https://doi.org/10.1109/ICELTICs50595.2020.9315544>
- [5] **Lip Motion Recognition for Indonesian Vowel Phonemes Using 3D CNN**
International Conference on Computer and Informatics Engineering (IC2IE), 2020
Maxalmina Satria Kahfi, Kurniawan Nur Ramadhani, Anditya Arifianto
<https://doi.org/10.1109/IC2IE50715.2020.9274562>

TRAININGS

- **SEACrowd Apprentice Program** Aug 2024 – Present
Remote
 Participated in research on a multilingual, culturally grounded multi-turn dialogue dataset for Southeast Asian languages. The program aimed to introduce and support early-stage Southeast Asian researchers with little to no prior experience in AI research. <https://seacrowd.github.io/>
- **Data Academy** Feb 2019
Bandung, Indonesia
 Competitively selected (top 20 of 100+ applicants) for Data Science Academy by GOJEK Indonesia and Bandung Institute of Technology, focusing on Machine Learning, Deep Learning, data analysis techniques, and practical competition experience.

- **Software Engineering Academy**

Jul 2018 – Aug 2018

Jakarta, Indonesia

Competitively selected as one of 20 participants from over 600 nationwide applicants for the GOJEK-COMP FEST Software Engineering Academy. Completed intensive training in Clean Code, Test-Driven Development (TDD), Agile Software Development, Refactoring, CI/CD, and Microservices. COMP FEST is the largest student-run IT event in Indonesia, hosted by Universitas Indonesia's Faculty of Computer Science. <https://compfest.id/>

SKILLS

Programming Languages	Python, Go, SQL
Frameworks	TensorFlow, PyTorch, Huggingface
Libraries	Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
Languages	Indonesian (native), English