

# MAXALMINA SATRIA KAHFI

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## EDUCATION

<b>Master of Computer Science</b> <i>Faculty of Computer Science, Universitas Indonesia, Indonesia</i>	<b>Aug 2022 – Jul 2024</b>
<ul style="list-style-type: none"><li>• Master's Thesis: <i>Integration of Tags and News Entities in News Recommendation System in Indonesian Language Using Neural News Recommendation with Attentive Multi-View Learning</i></li><li>• Supervisors: <a href="#">Evi Yulianti</a>, <a href="#">Alfan Farizki Wicaksono</a></li><li>• GPA: 3.85/4. Graduated with Cum Laude</li></ul>	

<b>Bachelor of Informatics</b> <i>School of Computing, Telkom University, Indonesia</i>	<b>Aug 2016 – Sep 2020</b>
<ul style="list-style-type: none"><li>• Final Project: <i>Lip Motion Recognition for Indonesian Vowel Phonemes Using 3D CNN</i></li><li>• Supervisors: <a href="#">Kurniawan Nur Ramadhani</a>, <a href="#">Anditya Arifianto</a></li><li>• GPA: 3.87/4. Graduated with Cum Laude</li></ul>	

## WORK EXPERIENCES

<b>Data Scientist</b> <i>detik.com – Detik Network, Indonesia</i>	<b>Apr 2025 – Present</b>
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.	
<b>Associate Data Scientist</b> <i>Oval – Kompas Gramedia, Indonesia</i>	<b>Aug 2022 – Mar 2025</b>
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.	
<b>Data Analyst</b> <i>Oval – Kompas Gramedia, Indonesia</i>	<b>Jan 2021 – Aug 2022</b>
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.	
<b>Data Engineer Intern</b> <i>Qasir, Indonesia</i>	<b>Nov 2020 – Jan 2021</b>
Created a data pipeline for ETL using Apache Airflow and PostgreSQL.	
<b>Data Scientist Intern</b> <i>Telkom Indonesia, Indonesia</i>	<b>Jan 2020 – June 2020</b>
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.	
<b>Data Science Intern</b> <i>Algoritma Data Science Education Center, Indonesia</i>	<b>May 2019 – Aug 2019</b>
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

<b>Programming Tutor – Part time</b> <i>Thariq Bin Ziyad Senior High School, Indonesia</i>	<b>Aug 2025 – Present</b>
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

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- [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 Chuangsawanich, 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, Alfan 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, Alfan 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, Fikri 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

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- **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-COMPIFEST Software Engineering Academy. Completed intensive training in Clean Code, Test-Driven Development (TDD), Agile Software Development, Refactoring, CI/CD, and Microservices. COMPIFEST is the largest student-run IT event in Indonesia, hosted by Universitas Indonesia's Faculty of Computer Science.  
<https://compfest.id/>

## SKILLS

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**Programming Languages** Python, Go, SQL

**Frameworks** TensorFlow, PyTorch, Huggingface

**Libraries** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

**Languages** Indonesian (native), English