

# MAXALMINA SATRIA KAHFI

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## EDUCATION

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### 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](#)
- Graduated with Cum Laude (first class honor)

### 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](#)
- Graduated with Cum Laude (first class honor)

## WORK EXPERIENCES

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### • Data Scientist

Apr 2025 – Present

*detik.com – Detik Network, Indonesia*

Developed AI/ML solutions, including a comment moderation system to reduce toxicity in the comment section. Also built an AI-assisted newsroom tool that helps the editorial team identify potential topics to write about based on social media trends, using the user needs framework in journalism. Additionally, conducted research on RAG for potential applications in the journalism domain.

### • Associate Data Scientist

Aug 2022 – Mar 2025

*Oval – Kompas Gramedia, Indonesia*

Developed AI/ML solutions, including the creation of an uplift model to target persuadable customers, resulting in a 10% reduction in marketing costs and increased email marketing conversion rates. Additionally, led AI adoption in the media industry by leveraging Large Language Models for applications such as automated content generation, AI-powered typo checking, tone adjustment, and NER to support editorial workflows.

### • Data Analyst

Jan 2021 – Aug 2022

*Oval – Kompas Gramedia, Indonesia*

Conducted product and customer behavior analysis for one of Kompas Gramedia's business units, Gramedia Retail (covering both online and offline stores). Additionally, implemented several automated personalized email marketing campaigns, resulting in a 5% (YoY) increase in revenue contribution.

### • Data Engineer Intern

Nov 2020 – Jan 2021

*Qasir, Indonesia*

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

### • Data Scientist Intern

Jan 2020 – June 2020

*Telkom Indonesia, Indonesia*

Collaborated on projects such as churn prevention for IndiHome and age-gender classification based on UseeTV data (Inrate Project). Also gained experience in dynamic modeling for COVID-19 forecasting in Indonesia.

### • Teaching Assistant

Sep 2018 – May 2020

*School of Computing, Telkom University, Indonesia*

Assisted lecturers in courses such as Machine Learning, Artificial Intelligence, Formal Languages and Automata Theory, and Design and Analysis of Algorithms.

### • Data Science Intern

May 2019 – Aug 2019

*Algoritma Data Science Education Center, Indonesia*

Developed a performance management tool for education professionals, with a focus on building the data analytics dashboard. Also built ML models for sentiment analysis integrated into the platform. Additionally, served as a teaching assistant for the Python for Data Analytics class.

## PUBLICATIONS

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- [1] **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>
- [2] **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>
- [3] **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*  
Participated in a Data Science Academy jointly organized by GOJEK Indonesia and Bandung Institute of Technology, focusing on topics such as Data Science at GOJEK, Machine Learning, Introduction to Deep Learning, Exploratory Data Analysis, and a mini Kaggle competition. Selected as one of 20 participants from over 100 applicants across Indonesia.
- **Software Engineering Academy** **Jul 2018 – Aug 2018**  
*Jakarta, Indonesia*  
Participated in an academy jointly organized by GOJEK Indonesia and COMPFEST, the largest student-run IT event in Indonesia hosted by the Faculty of Computer Science, Universitas Indonesia. Selected as one of 20 participants from over 600 applicants nationwide. Topics covered included Clean Code, Test-Driven Development (TDD), Agile Software Development, Refactoring, CI/CD, and Microservices. <https://compfest.id/>

## SKILLS

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