

# Rezka Leonandya

Full-stack Data Scientist and ML Engineer with around 8 years of experience in both the industry and academia  
<https://rezkaaufar.github.io> • <https://github.com/rezkaaufar> • <https://www.linkedin.com/in/aufarleo/> • <https://leetcode.com/u/rezka/>

## INDUSTRY EXPERIENCE

**Sr Data Scientist - Routing and Maps Platform**, Gojek, Jakarta, Indonesia Jun 2022 – Present

- Maintained around 200 data production pipelines which handled >1 millions rows of data daily.
- Improved route similarity by building production ML models for ETA prediction utilizing graph structure and black-box optimization. Route similarity metrics improved by 15%.
- Built production maps error detector to help keep the maps updated utilizing raw gps ping data, the mapmatching algorithm, and crowd-source driver feedback. Automated 20% of incoming tickets while maintaining > 70% precision.

**Sr Data Scientist - Search and Ranking**, HappyFresh, Jakarta, Indonesia Feb 2021 – Jun 2022

- Improved search retrieval by tweaking attribute match and built a better model for the generation of synonym candidates.
- Improved the search ranking by implementing next purchase ranking models.
- Built ML models to predict out-of-stock items in a supplier store.

**Data Scientist - Chatbot**, FinAccel, Jakarta, Indonesia Feb 2020 – Feb 2021

- Built email autoresponder and chatbot model to help customer service. Automatically resolved 53% incoming daily emails and 33% incoming daily chats.
- Built product recommendation system. Improved the batch prediction time by 8x with ANN. Worked with word embeddings, matrix factorization, and hybrid CF model.

**Data Scientist Intern**, ZyLAB, Amsterdam, The Netherlands Jul 2017 – Oct 2017

## RESEARCH EXPERIENCE

**Kata research group**, Kata.ai

- Research Scientist Sep 2018 – Sep 2019
  - Worked on large language models (LLMs) for Indonesian language

**Meta (Facebook) AI and UvA research group**, University of Amsterdam - Meta AI Research Paris

- Graduate Research Student Jan 2018 – Aug 2018
  - Worked on training neural networks to learn to follow instructions from small data, particularly in the subregular language and the language games of SHRDLURN.

**Information Retrieval Lab**, University of Indonesia

- Undergraduate Research Student Jan 2015 – Jun 2015
  - Worked on named entity recognition for Indonesian language.

## EDUCATION

**Saarland University**, Saarbruecken, Germany

- Ph.D in Computational Linguistics (Withdrawal, Unfinished) Sep 2019 – Feb 2020

**University of Amsterdam**, Amsterdam, The Netherlands

- M.Sc in Artificial Intelligence Sep 2016 – Aug 2018

**University of Indonesia**, Jakarta, Indonesia

- B.S. in Computer Science Aug 2011 – Aug 2015

## PUBLICATIONS

Check my semantic scholar page

## TOOLS

Python, SQL, Google Cloud Platform, Amazon Web Service, Jupyter Notebook, PyTorch, Tensorflow, Java, C#, Cookiecutter, LLMs, .

## LANGUAGES

Indonesian (native), English (professional), German (basic).

[CV compiled on 2025-01-12 for job purpose]