Bayu Aryoyudanta

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EDUCATION

GADJAH MADA UNIVERSITY
MEng in Information Technology
Department of Electrical and
Information Engineering
Sep 2016 | Yogyakarta, ID
Master Thesis: Semi Supervised
Learning Approach for Indonesian
Named Entity Recognition using
Co-Training Algorithm.
Algorithms: Bayesian, Hidden Markov
Model, Support Vector Machine,
Co-Training

YOGYAKARTA STATE UNIV.
BS in Information Technology for
Education
July 2012 | Yogyakarta, ID
Faculty of Engineering
Cum Laude
Cum. GPA: 3.57 / 4.0

LINKS

Github:// yudanta
LinkedIn:// yudanta
Twitter:// @akuyudanta

COURSEWORK

GRADUATE
Advanced Machine Learning
Cloud Computing
Machine Learning

UNDERGRADUATE
Programming
Data Structure
Computer Networking
Computer Modelling and Simulation
(Research Asst. & Teaching Asst 2x)
Programming and Computer
Networking

OTHERS SKILLS

FOREIGN LANGUAGE
(Foreign Language Proficiency Certification)
IELTS 6.5 / B2 CEFR
Listening: B2 - Reading: C1 - Speaking:
B2 - Writing: B2

EXPERIENCE

CITRA MULTIMEDIA INDONESIA | Machine Learning Engineer
Jun 2019 - Jul 2020 | Yogyakarta, ID
Data Journalism Toolbox and **Media Monitoring**. I am responsible for designing
and orchestrating advance Indonesian Natural Language Processing model
built with deep learning architecture.
- TextClassification: TextCNN
- PoSTagger, NER, Slot Tagging: Bi-LSTM + CRF
- Sentiment Analysis: CNN-LSTM

NETALASE (acquired by Citra Multimedia Indonesia) | Machine Learning Engineer
Aug 2018 - Jun 2019 | Yogyakarta, ID
Build company's classification and recommendation engine with Deep Learning
architecture for **hybrid media e-commerce**. Worklists: Product Classification with
TextCNN, Slot Tagging with LSTM + CRF, Product Recommendation with
Collaborative Filtering.

DATTABOT | Software Engineer
Feb 2018 – Aug 2018 | Jakarta, ID
Develop an Android application connecting wearable device (wristband) to our
Fatique Detection system. We collect human health data from wearable device
and send the data to the fatigue detection model.

NUWIRA | Mobile Application Developer
Jul 2012 – Jul 2015 | Yogyakarta, ID
Develop job-order management system, both for mobile application and
back-end application using Java SDK + PHP for serving HTTP REST API.

SKILLS

MACHINE LEARNING FRAMEWORK
- Bayesian, SVM, Markov Model, Pandas, NumPy, ScikitLearn
- Tensorflow, Keras, SpaCy, TFServing

PROGRAMMING LANGUAGE, FRAMEWORKS AND DATA STACKS
- Python Web Framework: Flask, FastAPI
- Others: Java, PHP, HTML, JS
- MySQL, PostgreSQL, MongoDB, Neo4j, ElasticSearch, Redis, RabbitMQ
- Hadoop, Spark

CODE VERSIONING + DEPLOYMENT
- Git, Jenkins, Docker, Kubernetes

PUBLICATIONS

[1] B. Aryoyudanta, T. B. Adji, and I. Hidayah. Semi-supervised learning
approach for indonesian named entity recognition (ner) using co-training
algorithm. In *2016 International Seminar on Intelligent Technology and Its
Applications (ISITIA)*, pages 7–12, July 2016.