Ahmad Izzan

aahmadizzan@gmail.com | github.com/ahmadizzan | +6281286476926 | Bandung, Indonesia

Education

Bandung Institute of Technology   **Bandung, Indonesia**
B.Sc. in Computer Science   *EXPECTED GRADUATION: JULY 2020*
- Relevant Coursework: Algorithm and Data Structures, Artificial Intelligence, Database, Software Engineering Fundamental, Discrete Mathematics, Linear Algebra, Calculus, Operating System.

Work Experience

University of Chicago   **Remote**
Research Assistant | UCARE – GIK Lab   *March 2018 - Present*
- Working on system research in garbage collection in distributed system at lab run by Prof. Haryadi Gunawi.
- Created Java garbage collection pause time visualization pipeline using Python.

Bandung Institute of Technology   **Bandung, Indonesia**
Research Student | Graphics and Artificial Intelligence Lab   *May 2018 – July 2018*
- Worked on natural language processing research in Indonesian news summarization with Prof. Masayu Leylia Khodra.
- Analyzed the use of word embedding in centroid-based extractive multi-document summarization techniques.

Bukalapak   **Jakarta, Indonesia**
Software Engineer Intern | Core AI   *Dec 2017- March 2018*
- Implemented similar product search feature using Locality Sensitive Hashing (LSH) technique based on VGG paper.
- Implemented image-based product tag classifier by utilizing pre-trained model for transfer learning.
- Tech-stack used: Python, Scikit-Learn, Keras, Elasticsearch.

Bandung Institute of Technology   **Bandung, Indonesia**
Laboratory Assistant | Electrical Engineering and Informatics   *Sept 2017- Nov 2017*
- Assisted and taught basic programming in C++ practicum to more than 30 undergraduate students.

Dekoruma   **Jakarta, Indonesia**
Software Engineer Intern | Full stack Development   *May 2017 – Aug 2017*
- Initialized push notification service for mobile app by designing API and database to increase user engagements.
- Revamped order page from scratch with better code modularity and adding new features such as order tracking.
- Improved after-checkout experience for new customers by creating auto-register feature at checkout.
- Tech-stack used: Python, NodeJS, Firebase, React Native, React.

Honors & Awards

[National] Champion, CIMB 3D Conquest Data Science   *2018*
- 1st place out of hundreds of participants in building alternative credit underwriting predictive model. Representing Indonesia in the international stage of the competition.

[National] Top 5, BCA Finhacks – Fraud Detection   *2018*
- Top 5 out of 200 other models in building fraud detection predictive model, competing against professional data scientists.

[National] 1st Place, Data Science Academy Compfest X UI   *2018*
- 1st place out of over 100 participants. Analyzed and created price prediction system for room listing based on Airbnb data.

[International] Finalist, ACM ICPC South East Asia Regional (Jakarta Region)   *2017*
- International level programming competition. Qualified after placed 24th in national elimination from over 500 participants.

[National] Awardee, Unggulan Scholarship   *2017*
- Awarded full-ride undergraduate scholarship worth $8700 by Ministry of Education and Culture of Indonesia for academic and co-curricular achievements.

Selected Projects

- **Netifier:** Multi-label text toxicity classifier using deep learning based on data scraped from various social media sites. Involved in end-to-end process from data scaping, labelling, preprocessing, to modelling using Python, Keras, Scikit-learn.
- **Probook:** Web-based book store with user management, search and buy books features using microservice architecture. Built with Vanilla PHP, JAX-WS, Google Book API and NodeJS.
- **NIM Finder:** Web app to search student name and ID, scraped the data from campus information center using NodeJS.

Organizational & Leadership Experience

Co-founder, ML @ ITB   *2018 - Present*
- Co-founded community of machine learning enthusiasts on campus to collaborate on projects and competitions. Some of the collaboration projects are agent to play Pong using deep learning from scratch, social media post toxicity classification.

Head of Knowledge Development, Amateur Radio Club (ARC) ITB   *2017 - Present*
- Managed knowledge and development division to give weekly class on networking (Switching, Routing, etc) and web development (HTML, CSS, Javascript) to more than 30 students.

Skills & Interests

- Languages/technologies: Python, C++, SQL, Scikit-Learn, NodeJS, Java, HTML, CSS, JavaScript, PHP, Git.