FEBI AGIL IFDILLAH

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EXPERIENCE

Engineer, Part-time	**Prosa.ai**	**Feb 2018 - Present**

- Working on a neural lemmatizer to improve existing lemmatizer's speed
- Built a Bahasa Indonesia quotation extraction from Indonesian News using deep learning and rule based.

Software Engineer, Intern	**Kata.ai**	**May 2017 - Aug 2017**

- Rebuilt Jemma, official Line Bot of Unilever Indonesia with 1.4+ million of users from scratch within 2.5 months resulting highly maintainable codebase.
- Redesigned Jemma for better user experience and better user retention.
- Implemented new features for better credentials gathering, and added knowledge for smarter answers.

Microsoft Student Partner	**Microsoft Indonesia**	**Oct 2016 – Present**

- Demo the latest technologies from Microsoft, host events, and connect with other students and faculty to inspire them to create what's next.

Software Engineering Lab Assistant	**Institut Teknologi Bandung**	**Sept 2016 – Present**

- Teaching assistant for several courses.
- Courses: Software Engineering Basics, Management of Software Engineering

EDUCATION

Bandung, West java	**Institut Teknologi Bandung**	**Aug 2014 – Present**

- B. Eng. in Informatics/Computer Science.
- **Undergraduate Coursework**: Artificial Intelligence, Machine Learning, NLP(Text and Speech), Image Interpretation and Processing, Development of Distributed Applications, Distributed and Parallel System; Operating Systems; Databases; Comp. Architecture; Software Engineering; Algorithms Design; Algorithm and Data Structures.

TECHNICAL EXPERIENCE

Selected Projects

- **Dr. Tania** (2017 - Present). A deep learning based chatbot that could identify crop diseases through image recognition. She can tell the farmer about symptoms, and how to manage the disease correctly and effectively. Tania paving the way towards affordable data-driven and precision farming for farmers around the world so they can prevent losses and increase crop yields.
- **Leptons** (2017). Inherently social Personal Assistant for LINE messenger; Could find good places for hangout, suggests cool movies to checkout, even traffic report and monitoring within conversation. Built using Python, Flask Microframework, Google APIs, Bing APIs, Heroku, Azure, LINE Messaging API.
- **Sistem Monitoring Anggaran** (2016). **Professional Project**. Financial Management System for Koperasi Karyawan PT. PGE Pertamina Ulubelu Area built using Laravel, MySQL, Bootstrap, JQuery.

ADDITIONAL EXPERIENCE AND AWARDS

- **Finalist, Microsoft Imagine Cup Asia-Pacific 2018:** Represent Indonesia at the regional finals and compete with other Asia Pacific countries.
- **Gold Prize, World Invention and Technology Expo (WINTEX) 2018:** An international expo held by LPIK ITB and INNOPA where 100 of innovation projects from Indonesia, Malaysia, India, Sri Lanka, Taiwan, Korea, and Romania showcased to promote and market their products. Dr. Tania received the gold prize.
- **Finalist, Microsoft Imagine Cup Indonesia 2018 (TOP 5):** Building a chatbot called Dr. Tania to help farmers around the world to cope with crop diseases through image recognition.
- **1st Winner, Data Mining Competition - Gemastik 2017:** Nationwide annual information technology competitions held by Indonesia Ministry of Research, Technology, and Education.
- **2nd WInner, Indonesia Developer Summit Hackathon 2017:** Built a Deep Learning based Visual Search Engine to improve customers' shopping experience and brand searchability.
- **Best Student Team, Facebook Developer Hackathon 2017:** Built a chatbot to help farmers diagnose crop diseases through mobile camera called Dr. Tania.
- **Finalist, LINE Dev Challenge Indonesia 2017:** Built a Personal Assistant Bot on LINE, top 12 out of 399 contestants.
- **2nd Winner, Hackathon UMN 2016:** Awarded a 2nd prize for hoaxbuster project in nationwide hackathon held by Universitas Multimedia Nusantara and Kurio.

Languages and Technologies

- C++; C; C#; Java; Python; Scala; Node.js; PASCAL; SQL; JavaScript; PHP;
- NLP; Machine Learning; Computer Vision; Image Processing; Data Mining; Distributed Systems;
- Tensorflow; Keras; MXNet; Gluon; Firebase; Android; Flask Microframework; Laravel; HTML; CSS; Git; CUDA Programming; Open MPI; OpenGL;