FITRI ANDRI ASTUTI
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EDUCATION

2020 – 2022	**M.T. (Master of Engineering) in Electrical Engineering – Information Technology Services** Institut Teknologi Bandung, Indonesia Thesis Topic: **Collaborative System Labeling and Satellite Imagery Data Processing for Estimation of Building Capital Stock**
2009 – 2013	**SST (Bachelor of Applied Science) in Computation of Statistics** Sekolah Tinggi Ilmu Statistik (STIS), Indonesia Thesis Topic: **Development of Product Search Machine Using Supervised Machine Learning Method and Time Series Analysis**

WORK AND PROJECT EXPERIENCE

2024 – Now	**Software Engineer, Data Scientist, and Statistician** Badan Pusat Statistik of Karanganyar Regency Central Java, Indonesia

- Working on making web frontend and backend survey data processing of SPEKTRA BPS Provinsi Jawa Tengah
- Create automation of coding kbli from business names resulting from the SPEKTRA Survey of BPS Provinsi Jawa Tengah
- Working on making web information system for documenting activity records of BPS Karanganyar Regency
- System of Flow Data Processing of Export Import Programme from OracleDB to Postgress with AirFlow using Python Language (from Dec 2024 – Now)

2023 – 2024	**Software Engineer, Data Scientist, and Statistician** Badan Pusat Statistik Division of Statistical Information System Jakarta, Indonesia

- Working on making web survey data processing of Disagregation of GFCF (PMTB 2023)
- System of Flow Data Processing of Export Import Programme from OracleDB to Postgress with AirFlow using Python Language (Jan 2024 – Nov 2024)

2016 – 2023	**Software Engineer, Data Scientist, and Statistician** Badan Pusat Statistik Division of National Accounts Jakarta, Indonesia

- Working on making web survey data processing of Disagregation of GFCF (PMTB 2016-2022)
- Working on making web survey data processing of SKSPPI 2016-2023
- Working on making web survey data processing of SKPS 2017-2023

2014 – 2016	**Regional Accounts and Statistical Analysis Staff** Statistics of Soppeng Regency Soppeng, Sulawesi Selatan, Indonesia

2013 – Now	**Freelance Programmer**

Working on various freelance software development projects in the form of websites with Python (Flask, FastAPI, Dash, Streamlit), Websites with PHP (YiiFramework, Codeigniter), JavaScript (NodeJs), and Android Apps.

PUBLICATION AND PAPERS

2022	**A Low-Cost Labeling Service for Satellite Imagery Data**

2022 International Conference on Information Technology Systems and Innovation (ICITSI)

2021 **Antisocial Behavior Monitoring Services of Indonesian Public Twitter Using Machine Learning**

Proceedings of 2021 International Conference on Data Science and Official Statistics (ICDSOS)

2021 **Pemanfaatan Teknologi Artificial Intelligence untuk Penguatan Kesehatan dan Pemulihan Ekonomi Nasional**

Jurnal Sistem Cerdas

2020 **Harnessing Social Media Data to Measuring Mental Health Statistics**

2020 Asia–Pacific Statistics Week

2019 **Enhancement of Changes in Inventories**

2019 Asia–Pacific Statistics Week

2018 **Utilizing Google Places API in Enhancement of NPISH Directory**

2018 Asia–Pacific Statistics Week

TRAINING AND COURSES

October 2024 **IT Security (Profesional Academy)**
Digital Talent Scholarship

August 2024 **Cloud Practitioner Essentials (Belajar Dasar AWS Cloud)**
Dicoding Indonesia

July 2024 **Alibaba Big Data (Profesional Academy)**
Digital Talent Scholarship

July 2024 **Introduction to Data Analytics**
Simplilearn

July 2024 **Introduction to Data Science with Python**
DQLab

March 2024 **Alibaba Cloud Computing (Profesional Academy)**
Digital Talent Scholarship

October 2021 **Learn Git Basics with GitHub**
Dicoding Indonesia

April 2021 **Machine Learning with MATLAB**
MathWorks

November 2020 **Learn Machine Learning for Beginners**
Dicoding Indonesia

September 2020 **Introduction to Cloud**
IBM Developer Skills Network

July 2020 **Learn Basic Data Visualization**
Dicoding Indonesia

July 2020 **Getting Started Programming With Python**
Dicoding Indonesia

CERTIFICATIONS

May 2024	**ACA Big Data Certification**
	Alibaba Cloud Certified Associate
Mar 2024	**ACA Cloud Computing Certification**
	Alibaba Cloud Certified Associate
February 2024	**Pelatihan Training Of Trainer (TOT) Pranata Komputer**
	Pusat Pendidikan dan Pelatihan Badan Pusat Statistik

ACHIEVEMENTS AND AWARDS

2020	**Scholarship for Master Degree: BPS Postgraduate Scholarship**
	APBN BPS
2020	**Presenter at 2020 Asia-Pacific Economic Statistics Week (Online)**
	The United Nations Economic and Social Commission for Asia and Pacific (ESCAP)
2012	**Second Winner Lumia Apps Olimpiad Category API Bolalob (Group)**
	Nokia Developer

SKILLS

Mother Tongues	Bahasa Indonesia, Bahasa Jawa
Technical Skills	Programming Languages: **Python, JavaScript, PHP, Java, R**
	Programming Frameworks: **FastAPI, Flask, Streamlit, Dash, YiiFramework, Codeigniter**
	Databases: **MongoDB, Microsoft SQL Server, Postgres, MySQL**
	Development Platforms: **Docker**
	Cloud Provider: **Oracle Cloud Infrastructure (OCI), IBM Cloud, Amazon Web Services (AWS), Google Cloud, Heroku**
	Diagram Software: **diagrams.net**
	Graphic Design Software: **Gravit Designer, Illustrator, Photoshop, CorelDRAW**
	Video Editing Software: **iMovie, HitFilm Express, After Effect**
	Data Processing: **QGIS, Mathlab, SPSS, Microsoft Excel**
	Document Preparation: **Microsoft Office, LaTex**