

## FITRI ANDRI ASTUTI

Statistics Indonesia - Badan Pusat Statistik

Jl. dr. Sutomo No. 6-8 Jakarta 10710, Jakarta, Indonesia

Mobile: +62 85882441090 – Email: fitri.andri@bps.go.id – Personal Website: fitrengineer.com

### 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

---

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

---

- July 2020 **Getting Started Programming With Python**  
Dicoding Indonesia
- July 2020 **Learn Basic Data Visualization**  
Dicoding Indonesia
- September 2020 **Introduction to Cloud**  
IBM Developer Skills Network
- November 2020 **Learn Machine Learning for Beginners**  
Dicoding Indonesia
- April 2021 **Machine Learning with MATLAB**  
MathWorks
- Oktober 2021 **Learn Git Basics with GitHub**  
Dicoding Indonesia

## 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, Matlab, SPSS, Microsoft Excel**  
Document Preparation: **Microsoft Office, LaTeX**