

## Imam Agus Faisal

Klaten, Central Java 57481 • imamagusfaisal120@gmail.com • [62857-2762-6962](tel:62857-2762-6962) • [LinkedIn](#) • [GitHub](#) • [Kaggle](#)

### Education

**Universitas Pembangunan Nasional “Veteran” Yogyakarta**

Sleman, Yogyakarta

**Bachelor Degree**, Information System. Current GPA: 3.82/4.00

July 2020 – Nov 2024

Fresh Graduate

**Relevant Coursework:** Machine Learning Specialization, TensorFlow Certificate Program, Google Data Analytics Professional, DeepLearning.AI TensorFlow Developer.

**SMA Negeri 1 Karanganom**

Klaten, Central Java

**Senior High School**, Science

July 2017 – June 2020

### Certificate

**TensorFlow Developer Certificate**

[\[E-Certificate\]](#)

Issued by TensorFlow Certificate Program

**DeepLearning.AI TensorFlow Developer**

[\[E-Certificate\]](#)

Issued by Coursera and DeepLearning.AI

**TensorFlow: Data and Deployment**

[\[E-Certificate\]](#)

Issued by Coursera and DeepLearning.AI

**Machine Learning Specialization**

[\[E-Certificate\]](#)

Issued by Coursera, DeepLearning.AI, and Stanford University

**Mathematics for Machine Learning**

[\[E-Certificate\]](#)

Issued by Coursera and Imperial College London

**Google Data Analytics Professional Certificate**

[\[E-Certificate\]](#)

Issued by Coursera and Google

### Technical Skills & Projects

**Programming:** Python, Flutter, C++, SQL, Kotlin

**Framework & Library:** TensorFlow, OpenCV, Scikit-Learn, PyTorch, Streamlit, Numpy, Pandas, Matplotlib, Seaborn

**CCTV Attendance**

Sleman, Yogyakarta

Improve the attendance system by implementing an automatic attendance system on CCTV using the Haar Cascade Classifier algorithm and FaceNet machine learning model with the highest accuracy of 89.92%.

**VEMD Pan Flute Project**

Sleman, Yogyakarta

Creating machine learning that detects and converts pitch data based on audio input with Spotify Basic-Pitch machine learning model, post-process it with a custom algorithm, and sends the byte data via UDP port to the PLC.

**CaloryIn Project**

Remote

Creating machine learning model to get food nutrition from National Agricultural Library USDA (United States Department of Agriculture) with image classification for mobile application using TensorFlow Lite and MobileNetV2.

## Relevant Experience

- PT. Stechoq Robotika Indonesia** Sleman, Yogyakarta  
**Software Engineer Intern (Machine Learning Specialization)** February 2024 – June 2024  
Developed a device based on Pan Flute, equipped with AI to convert audio input and automatically play it. This device uses UDP port to communicate with Festo PLC Controller. Created business pitch deck presentation.
- Universitas Pembangunan Nasional “Veteran” Yogyakarta** Sleman, Yogyakarta  
**Laboratory Assistant** February 2022 – June 2024  
Taught practicum classes ranging from technical classes such as Fundamentals of Programming, Data Structures, Mobile Programming, etc. to management classes such as Requirements Engineering and IT Project Management. Graded problem sets and exams.
- Bangkit Academy 2023 led by Google, Tokopedia, Gojek, & Traveloka** Remote  
**Machine Learning Cohort** February 2023 – August 2023  
Developed a mobile application with machine learning to get food nutrition from API with image classification based on image input using TensorFlow Lite and MobileNet. Created business pitch deck presentation.
- Baparekrat Digital Talent Scholarship** Remote  
**Google Data Analytics Specialization** October 2022 – December 2022  
Studied data analytics specialization from Data Cleaning, Data Analysis, Data Visualization, Effective Presentation to Data-driven Decision Making.

## Leadership

- PT. Stechoq Robotika Indonesia** Sleman, Yogyakarta  
**Project Manager** February 2024 – June 2024  
Responsible for coordinating the team and ensuring that we stayed on track with the timeline and goals that had been set using the Agile Scrum development method.
- Universitas Pembangunan Nasional “Veteran” Yogyakarta** Sleman, Yogyakarta  
**Coordinator of Laboratory Assistant** July 2022 – December 2022  
Responsible for coordinating other laboratory assistants in Algorithms & Basic Programming and Programming Fundamentals practicum classes. Establish lecture contracts, revise practicum modules, collect exam results from all classes, and monitor all of practicum classes to hit the targets and timelines.
- Badminton Student Activity Unit of Universitas Pembangunan Nasional “Veteran” Yogyakarta** Sleman, Yogyakarta  
**Vice Chairman** February 2022 – December 2022  
Responsible for coordinating management in student activity units, participating and organizing badminton events.

## Another Skills & Interests

- Language:** English (Intermediate), Indonesia (Native)  
**Interests:** Coding, Badminton, Reading, Gaming