



# MOH. IQBAL FATCHUROZI

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<https://iqbalfatchurozi.dev/>

Blitar, Indonesia

I am a recent Computer Engineering graduate from the Sepuluh Nopember Institute of Technology with a strong interest in machine learning, IoT, and web development. I have more than one year of professional experience working as a Software Engineer

## Education Level

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### Institut Teknologi Sepuluh Nopember - Surabaya, Indonesia

Jul 2020 - Jul 2024

*Bachelor Degree in Computer Engineering, 3.64/4.00*

- Treasurer at the national event held by the department, impacting more than 200 students for two consecutive terms.
- Coordinator of digital circuit laboratory assistants with 120 participants.
- Basic Programming Assistant with 400+ participants.
- Winner of national and international competitions and funding.

### SMAN 1 Talun - Blitar, Indonesia

Jul 2017 - Apr 2020

*High School Diploma in Natural Sciences*

- Actively participated in and organized over 15 school events, demonstrating strong organizational and leadership skills.
- Served as Treasurer II of the student council (OSIS), managing financial records, budgets, and overseeing fund allocation for various school activities.

## Work Experiences

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### Nusantara Beta Studio - South Jakarta, Indonesia

Aug 2024 - Present

*Software Engineer | Fullstack & Machine Learning*

Nusantara Beta Studio was founded by software engineers and has grown into a team of visionary entrepreneurs dedicated to making a positive impact on businesses by delivering innovative and sustainable software solutions.

- Developed machine learning models for four major projects and collaborated with cross-functional teams from other divisions.
- Developed end-to-end machine learning models for multiple projects, handling everything from development to deployment.
- Conducted extensive research and development on large language models (LLMs), exploring their applications and optimization for real-world use cases.
- Developed backend services using TypeScript, Python, and Go, ensuring high performance, scalability, and security.
- Built and maintained full-stack applications using Ruby on Rails and Laravel, integrating responsive front-end interfaces with robust backend logic.

### PT Salam Pacific Indonesia Lines - Surabaya, Indonesia

May 2024 - Jul 2024

*Artificial Intelligence Engineer Intern*

Salam Pacific Indonesia Lines (SPIL) operates in the Container Shipping sector, with a logistics network of more than 38 ports spread throughout Indonesia.

- Led computer vision projects aimed at improving operational safety by implementing real-time monitoring

and anomaly detection systems.

- Developed a recommendation system for security assistance by analyzing historical data to predict and respond to potential security threats.

### **PT Intelegensi Teknologi Indonesia - Surabaya, Indonesia**

Apr 2023 - Apr 2024

#### *Research And Development Engineer*

Student Startup in the field of End-To-End Smart IoT Solutions

- Led the development of a software application from initial planning to successful launch
- Secured development funding from the Ministry of Education, Culture, Research, and Technology
- Led exhibition efforts at national industrial events, attracting over 1000 visitors to our booth.

### **Sinergia Worldwide Education - Surabaya, Indonesia**

Apr 2023 - Jul 2023

#### *Full Stack Programmer*

Sinergia Worldwide Education is an organization which emphasizes on quality education and offers various services for Indonesian people to attain global competence.

- Developed web applications using the Laravel framework.
- Collaborated remotely with another programmer to enhance application features.

### **Sinergia Worldwide Education - Surabaya, Indonesia**

Jul 2022 - Dec 2022

#### *Coding Tutor*

Sinergia Worldwide Education is an organization which emphasizes on quality education and offers various services for Indonesian people to attain global competence.

- Provided personalized tutoring in coding and software development for a diverse range of students from elementary school to high school.
- Designed custom lesson plans tailored to different age groups and skill levels, focusing on programming languages such as Python.

## **Organisational Experience**

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### **Association of Computer Engineering Students - Surabaya, Indonesia**

Apr 2023 - Oct 2023

#### *Head of Regeneration Unit Team*

Provide a platform for computer engineering students to interact, share knowledge, develop skills, and advance their understanding

- Led a team of over 30 individuals, overseeing project execution and ensuring team collaboration and productivity.
- Conducted training and mentoring sessions for over 70 students, fostering their development and integration into the organization.

### **ITS Expo - Surabaya, Indonesia**

Jan 2023 - Jun 2023

#### *Deputy Head of the Robotics Competition Sub Division*

ITS EXPO is an annual big event held by Institut Teknologi Sepuluh Nopember Surabaya that exhibits artworks and technology innovations of ITS Students to be shown to the public with remarkable closing with various artists at the end of the show

- Led a team of over 10 individuals dedicated to robotics competitions, ensuring adherence to competition rules and fostering a collaborative environment to achieve team goals.

### **Generasi Integralistik - Surabaya, Indonesia**

Jul 2022 - Sep 2022

#### *Field Commander*

An annual event intended for new ITS students to get to know more about the ITS campus

- Coordinated with the project officer of Gerigi and the event team to successfully break a MURI (Museum Rekor-Dunia Indonesia).
- Organized and managed activities for over 6,000 students.

*Staff of Research and Profession Department*

Provide a platform for computer engineering students to interact, share knowledge, develop skills, and advance their understanding

- Created and published over 20 social media content pieces highlighting various professions within the field of computer engineering, effectively increasing awareness and engagement.
- Fully contributed to organizing and participating in social and professional events.

## **Skills, Achievements & Other Experience**

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- **Projects:** Smart PJU with MESH Network (2024), Used Car Price Prediction (2023), MORU - Morning Routine App with Routine Recommendations Scheduling and Alarm features(2023), Kanban App with Golang (2022), Brute Force Matcher App (2023), Helmet Detection YOLOv5 (2022), VehicleCounter Yolov5 PyQt (2022)
- **Achievements:** Asean Digital Awards 2024 Bronze Medal, University Startup World Cup 2023 Bronze Medal, P2MW 2023 (Funded), ITS Youth Technopreneur 2023 (Funded)
- **Hard Skills:** Python, C++, Go, Javascript, IoT, Machine Learning, Linux
- **Soft Skills:** Time Management, Problem Solving, Team Collaboration, Adaptability
- **Certification:** Back End Engineering Ruangguru Camp Batch 3, Tensorflow Developer Certificate, Bangkit Academy 2023 By Google, GoTo, Traveloka Machine Learning Path