



# ARRIZA FAJAR ZHAFAR YASAR

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Jaten, Karanganyar, Jawa Tengah

I am Computer Engineering graduate at the Institute Technology Sepuluh Nopember (ITS) with deep passion for IoT, machine learning, and web development. Have been serving as a Multimedia and IoT laboratory assistant honed my skills. I am excited to continue learning and developing myself, I am eager to leverage my skills and contribute to the dynamic and ever-evolving tech industry.

## Work Experiences

**Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka** - Bandung, West Java, Indonesia Remote

Feb 2023 - Jul 2023

*Apprentice - Cloud Computing Learning Path*

- Successfully completed the comprehensive Cloud Computing track, which included hands-on projects in cloud infrastructure, services, and deployment strategies.
- Developed and deployed a scalable web application using cloud services, integrating machine learning models and optimizing for high availability. This project showcased your ability to apply theoretical knowledge to real-world challenges.
- Presented the capstone project to industry professionals, receiving positive feedback for innovation and practical application of cloud technologies.

## Education Level

**Institut Teknologi Sepuluh Nopember**  - Surabaya, East Java, Indonesia

Sep 2020 - Sep 2024 (Expected)

*Bachelor Degree in Computer Engineering, 3.50/4.00*

- Spearheaded the design and implementation of an IoT-based smart laboratory, integrating advanced sensor networks and real-time data processing systems. The lab is utilized for cutting-edge research in robotics and intelligent systems.
- Led multiple robotics projects aimed at enhancing laboratory research capabilities. These projects included the design, programming, and deployment of systems using advanced sensors and control algorithms.
- Received recognition from the Computer Engineering Department for outstanding contributions to laboratory research and development.

## Organisational Experience

**Formaiska** - Karanganyar, Central Java, Indonesia · Remote

Sep 2022 - Aug 2023

*Head of Kominfo*

- Responsible for managing communications and information dissemination within the organization.





**Himpunan Mahasiswa Teknik Komputer (HIMATEKKOM) ITS** - Surabaya, East Java, Indonesia

Aug 2022 - Feb 2023

*Staff of RELCOM (Relation and Communication)*

- Active member of the Himpunan Mahasiswa Teknik Komputer (HIMATEKKOM) ITS, contributing to the RELCOM division (Relation and Communication).

## Skills, Achievements & Other Experience

- **Cloud Computing**  (2023): Learn the fundamentals of cloud computing to deploy applications, monitor operations, and manage enterprise solutions with these specializations: Google IT Support, Cloud Computing Foundation, Cloud Engineering Learning Path, Web Basic, Javascript Basic, Back-End Basic, Cloud Engineer, Application Development with Cloud Run
- **Google Cloud Skillboost**  (2023): Cloud Skills Boost is Google's platform that offers on-demand training and skill development in Google Cloud technologies. The Google Career Certificate program is an online training program that offers professional certificates in fast-growing, high-demand technology fields.
- **Bangkit Academy Capstone Project: PeduliHIV**  (2023): As a developer for the PeduliHIV application, I contributed to the creation of a platform designed to significantly improve the medical, emotional, and social well-being of HIV patients. The app empowers users by providing a supportive community, access to healthcare through doctor consultations, and essential tools for managing their daily lives, all while addressing the stigma associated with HIV. My role involved integrating machine learning models and backend services into the mobile application using Google Cloud Platform. I developed and deployed backend services on Google App Engine, ensuring seamless integration with other cloud services such as Cloud Storage for secure file management, Cloud SQL for managing user databases, and Cloud Run for the deployment of scalable ML models. Through my work, I played a key role in designing and implementing a robust and scalable cloud architecture that supports the app's comprehensive features.
- **Learn to Create a Web Front-End for Beginners**  (2024): This class is aimed at a Front-End Web Developer who wants to develop a website that has more functionality than just information media, in accordance with industry standards. Students can create

interactive front-end web applications that have storage features using web storage.

- **Basic Web Programming** 📌 (2023): This class thoroughly discusses the basics of HTML and CSS as the three foundations of website creation. This foundation is needed for those of you who want to develop your website development skills to a more advanced stage. Compiled and verified by a team of Dicoding experts, the material presented is structured and comprehensive.
- **Learn JavaScript Programming Basics** 📌 (2023): This class is intended for individuals who want to step up to become a Web Developer/Back-end developer using Node.js technology using industry competency standards validated by AWS. Students can master the basics of JavaScript for web application development using Node.js.
- **Learn to Create Back-End Applications for Beginners with Google Cloud** 📌 (2023): This class is aimed at individuals who want to step up to become a Back-End Developer with Google's international competency standards. Students can independently create simple RESTful APIs to support the functionality of an application.
- **Become a Google Cloud Engineer** 📌 (2023): The class is aimed at students who want to learn cloud computing, especially Google Cloud, with reference to industry standards. Students are able to master Google Cloud services and use them to create cloud solutions.
- **4WD Control Using Sign Detection** 📌 (2023): This is a project to create a robot car movement control system with traffic sign detection that utilizes computer vision
- **LED Matrix Clock** 📌 (2023): The system displays the clock, calendar, temperature and alarm with characters on an 8 x 32 LED dot matrix (4 8x8 LED matrices), with USB keyboard input. Temperature is measured using an analog temperature sensor (LM35). The features on the system include run mode, set clock, set date, and set alarm.
- **DALAN : Deteksi Kecelakaan Bermotor Dengan Laporan Otomatis** 📌 (2024): The DALAN system is designed to help traffic officers on highways to monitor accidents by detecting accidents automatically using computer vision in the form of a camera provided with a machine learning model so that the camera can detect accidents automatically.
- **English as Foreign Language** 📌 (2021): EFL