

# IKBAL ALGHIFARY

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## FRESH GRADUATE - SOFTWARE ENGINEER

I'm a freshgraduate IT Engineering Student at Bandung State Polytechnic (Polytechnic ITB). I have an interest in the Data Science, Programming, Back-End Developer, Front-End Developer, UI/UX, Software Tester, Industrial Automation, and Artificial intelligence (AI). I'm a person with strong enthusiasm to learn new things who can work under pressure, adapt in a new environment, and collaborate in team work. I am always learning and welcome any recommendations of things to do that challenge me to always have a growth knowledge.

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## STRENGTHS AND EXPERTISE

Web Development  
Data Analyst  
UI/UX Design

Frontend Development  
Software Testing  
Artificial Intelligence

Team Leadership  
Communication  
Problem Solving

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## PROFESSIONAL EXPERIENCE

**PT. Neural Technologies Indonesia**  
**Frontend Developer**

**July 2022- September 2022**

is a type of internship that is carried out for 3 months, I am in a position as a front end developer and UI/UX Designer assisting the QROI Monetization project. Of course I worked as a UI designer and then did coding as a frontend developer.

**PT. Padepokan Tujuh Sembilan**  
**Full Stack Developer**

**July 2021 - July 2022**

is a type of part time job, I am responsible as a frontend developer and also a software tester on several projects such as the Indonesian Railways (KAI) project and also the Daya Lima project.

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## PROJECT

**Tolhackeyes: Utilization of Camera Sensors and Computer Vision Integrated with Mobile Applications as a Form of Climate Action**

Tolhackeyes is an application that provides an information system regarding toll services. This application can be accessed via Android and iOS devices. The purpose of this application is to increase the effectiveness and efficiency of the service system on toll roads, reduce the number of vehicles traveling on toll roads, and contribute to efforts to limit climate change, which is currently a significant global issue.

**Website-Based Job Vacancy Management Application Development at JPAC Polban Using Microservice Architecture**

This is a website creation project for the Bandung State Polytechnic JPAC service unit. The three of us build from the design stage to deployment. In making it, we use the Rational Unified Process framework. As for development, we use technologies such as Next JS, Node JS, etc

## **MONITORING BASE TRANSCEIVER STATION (BTS) IMPLEMENTATION IN WEBSITE-BASED QROI MONETIZATION APPLICATIONS USING THE NEXT.JS FRAMEWORK**

is a project owned by PT. Kereta Api Indonesia (KAI Railways), in this project I act as a frontend engineer using the React JS programming language. besides that, I am also a person who works on this project documentation for system requirements software.

### **PT. KAI Railways (JIRA) - Padepokan 79**

is a project owned by PT. Kereta Api Indonesia (KAI Railways), in this project I act as a frontend engineer using the React JS programming language. besides that, I am also a person who works on this project documentation for system requirements software.

## **Implementation of LoRA and Bolic Pans in Blank Spot Areas as Supporting Learning Using the LMS (Learning Management System) Application to Distribution of Work for Remote Communities**

Project for providing internet access on the island of Karimun Jawa by utilizing a combination of LoRA technology and Wok Bolic using several calculations so that it is used as an LMS (Learning Management System) to distribution of work for rural communities

## **Solusi inovatif kecerdasan buatan (Artificial Intelligence) pada Jalan Tol dengan memanfaatkan machine learning yang terkoneksi pada toll wise driver application**

Projects that utilize IoT and Artificial Intelligence connected to applications as a means of maintaining the quality of the planet from vehicle air pollution, we propose this at the national vocational championship at the Batam Polytechnic.

### **Daya Lima - Padepokan Tujuh Sembilan**

is responsible as a tester, namely looking for bugs in the five power applications

### **Project: PT. Perusahaan Listrik Negara (PLN) Succesor**

I'm the leader of this project, we call it the "PLN Successor application" system, where the development of this system is a form of PT PLN's readiness to compete in Industry 4.0 and Industry 5.0 by starting to be technology literate in solving problems that occur within companies that closely related to society and corporate mobility.

### **SadhelX Mobile Application**

This application is similar to Strava made in America, which is an application aimed at cyclists and contains buying and selling features for cyclists such as e-commerce. We built this app using Go (Go Language), React Native, Postgres, Thunder Client, etc. Apart from creating the Sadhel-X application, we also created our own Software Requirements Specification (SRS) to bridge the communication between clients and system developers.

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## **EDUCATION**

### **Politeknik Negeri Bandung (2020 - 2023)**

Diploma-III Computer Engineering

### **SMAN 1 Taraju (2016-2019)**

Natural Science (MIPA)

### **MTs Miftahuddarojat (2013-2016)**

### **SDN 1 Cikalong (2007-2013)**

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## AWARDS

**International World Invention And Technology Expo (Wintex) 2023 - On Progress**

Indonesia Inventors Day

**Best Technology of National Informatics Student Competition (National Level Polytechnic - KMIPN V 2023 PENS Surabaya) : E-Government**

Kemdikbud, Bakorma, and PENS

**Silver Medalist Internet of Things Competition - Technocorner**

Fakultas Teknik - Universitas Gadjah Mada

**Bronze Medalist in National Informatics Student Competition (National Level Polytechnic - KMIPN IV 2022 Batam) : Cipta Inovasi**

Kemdikbud, Bakorma, and Polibatam

**Finalist in National Informatics Student Competition (National Level Polytechnic - KMIPN IV 2022 Batam) : E-Government**

Kemdikbud, Bakorma, and Polibatam

**Passed Funding Student Creativity Program of Bandung State Polytechnic (PKM POLBAN 2022) for PKM-PM schema**

Politeknik Negeri Bandung

**Silver Medalist of Student Creativity Program Bandung Polytechnic State (PIM POLBAN) for PKM-GT Schema 2021**

Politeknik Negeri Bandung

**Passed Funding Student Creativity Program of Bandung State Polytechnic (PKM POLBAN 2021) for PKM-GT schema**

Politeknik Negeri Bandung

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## PUBLICATION

**Implementasi IoT pada ANDAKARA CARD dengan memanfaatkan teknologi Radio Frequency Identification (RFID) dan Near Field Communication (NFC)**

<https://ejournalwiraraja.com/index.php/SNAPP/article/view/1762>

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## CERTIFICATION

**Artificial Intelligence Digipreneurfest Digital Bootcamp**  
ai4impact

**Participants and Speakers of Scientific Article Publications**

Kemdikbud - Kampus Merdeka

**Data Scientist Fundamental (Python, SQL, and R Language)**

**UIIBF Championship**

Universitas Indonesia

**Ministry of Manpower of the Republic of Indonesia (KEMNAKER) Job Training at BBPLK CEVEST**

BBPLK Cevest

**Belajar dasar-dasar DevOps**

Dicoding

**Arkavidia Academy 8.0 : Data Science**  
STEI Institut Teknologi Bandung

**Asean Data Science Explorers SAP**  
ASEAN Foundation

**React Native Mobile App Development**  
Candradimuka Jabar Coding Camp

**Big Data Analytics Virtual Internship Program**

Kimia Farma & Rakamin Academy

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## VOLUNTEER

### **Student (Internship-AutomationLab-ITB)**

Institut Teknologi Bandung

### **Field Committee as mentor for new students in the Polban 2021 Campus Life Introduction Program (PPKKMB)**

Badan Eksekutif Mahasiswa Politeknik Negeri Bandung

### **Volunteer Monitor**

Komisi Penyiaran Indonesia (KPI)

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## ORGANIZATION

### **Himpunan Mahasiswa Komputer Politeknik Negeri Bandung (HIMAKOM)**

Deputy Head of Unit Teknologi Division

### **Unit Kegiatan Mahasiswa Robotika Politeknik Negeri Bandung**

Electronics & Informatics Division

### **Perhimpunan Mahasiswa Tasikmalaya (Permata Polban)**

Deputy Head of Unit Teknologi Division

### **TIM Jurusan Teknik komputer (JTK)**

Public Relations

### **Unit Kegiatan Mahasiswa Catur Politeknik Negeri Bandung**

Member

### **Unit Kegiatan Mahasiswa Futsal Politeknik Negeri Bandung**

Futsal Player

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## ADDITIONAL

**Technical Skills:** Advanced in Java, PHP, Codeigniter, Javascript, HTML/CSS, Next JS, React JS, Postgres, C/C++, Figma, Adobe XD, Program Logic Control (PLC), SCRUM, Power Designer.

**Language:** Indonesian & English

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