# Ajri Inda Robby

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**Location**: Bandung, Indonesia | **Portfolio**: Selected Projects

## ABOUT ME

Dedicated 6th-semester Informatics student at ITENAS with strong commitment to programming. Skilled in mobile, front-end, and back-end development. Proficient in a variety of programming languages for diverse applications. Experienced in web technologies, development tools, and databases. Actively seeking internship opportunities to apply versatile programming skills in a real-world context.

## EDUCATION

**Institut Teknologi Nasional**                                                        **September 2023 – Present**
- Informatics Major
- Current GPA : 3.34/4.00

## WORK EXPERIENCE

**Basic Programming Laboratory Assistant**                                **September 2023 – Present**
*Tools: Python, PyCharm, Google Colaboratory*
- Assist to teach basic programming to more than 50 students with four other assistants
- The material taught are conditional statements, looping, data types, how to connect to a database, flowcharts, and other material that underlies basic programming.
- Assist students in making a final project based on the material that has been taught.

**Application Developer at PT Sinergi Transformasi Digital (Mitra Integrasi Informatika, Metrodata)**                                **Februari 2024 – June 2024**

*Tools: Java, HTML, CSS, Javascript, Springboot, Netbeans, Laragon, Postman, Heidisql*
- Assist in developing two websites, the first one is called HRIS, which is used for employee to be able to request for overtime, document, training, leave, parking reimbursement, and vaccine document. And the second one is called Sakura, which is used for Relation Manager, Project Manager, ext. to manage employee data on the company and sales order data from a deal with another company.
- Some of the things that are develop include improving the website dashboard, updating the API that's used on the website, adding new feature to an existing page, ext.
- Improved existing page to better, be it about performance or functionality. E.g. are improving the dashboard load page which used to take minutes and reduced it to mere seconds by removing unused code.

## PROJECT

**Weather monitoring and forcasting**                                                                           **2023**
*Tools: Kotlin, Flutter, C, HTML, CSS, JavaScript, PHP, MySQL, Arduino, Visual Studio Code, Android Studio, MQTT*
*From: Mobile Programming and IoT Programming Course – Faculty of Industrial Technology, ITENAS*

- Weather monitoring and prediction are crucial aspects of meteorology, aimed at understanding and forecasting atmospheric conditions. Among the various methods used for predicting weather, linear regression is a statistical technique that can be applied to forecast weather variables based on historical data.
- Assisted in the development of the web application and Flutter-based cross-platform application, collaborating with team members to ensure a cohesive and integrated system.

### Python Search Engine with Krovertz Algorithm — 2023

*Tools:Data Mining, Python, PyCharm*
*From:Data Mining Course – Faculty of Industrial Technology, ITENAS*

- Developed a python program that's used to search a file with the closest similiarity to the words that's inputted by the user by utilizing the sastrawi algorithm.
- Utilized PyCharm as the IDE to code the program.

### Laravel E-Commerce Website — 2023

*Tools: HTML, CSS, JavaScript, Laravel, MySQL, Visual Studio Code*
*From: Advanced Web Development Course – Faculty of Industrial Technology, ITENAS*

- Played a key role as a back-end developer and actively participated in front-end development for the Laravel-based E-Commerce project.
- Utilized Visual Studio Code (VSCode) for application code development and HeidiSQL as the Database Management System (DBMS) to manage and connect the database.
- Contributed to the seamless functionality of the E-Commerce application by preparing database connections, creating models, controllers, and migrations in Laravel. Additionally, actively participated in front-end development, collaborating on UI/UX slicing and integration for a cohesive user experience.

### Java Sparepart Purchase App — 2023

*Tools: Java, MySQL, NetBeans IDE, HeidiSQL*
*From: Object Oriented Programming Course – Faculty of Industrial Technology, ITENAS*

- Developed a spare parts store program using Java in the NetBeans 8.2 application.
- Contributed to designing an efficient application with two primary roles: for sellers, covering inventory management, adding and categorizing products, and viewing customer transactions; and for buyers, enabling them to add items to the cart, proceed with the checkout process, view transaction history, and manage customer profiles.

### Python Plate Number Detection — 2023

*Tools: Python, PyCharm*
*From: Digital Image Processing Course – Faculty of Industrial Technology, ITENAS*

- Developed a Python program, utilizing tensorflow for character recognition, cv2 for image processing, and PyQT5 for GUI.
- Applied Image Processing techniques including grayscale conversion, image resizing, opening operations, Otsu thresholding, contour detection, and precise image cropping.

### IoT-Based BMI Calculator, Utilizing Height and Weight Measurements — 2022

*Tools: C, Arduino Uno, Blynk*
*From: Advanced Algorithm Course – Faculty of Industrial Technology, ITENAS*

- Gathered materials and assembled a BMI scale with Arduino Uno.
- Adapted code and conducted performance testing.
- Prepared project presentations and reports, actively participating in faculty presentations.

### Photobooth App and Payment Gateway with Qrcode — 2024

*Tools:  java sping,javascript,java,midtrans*
*From: Photobooth company*

- Photobooth application that immediately displays a QR code when payment is successfully.
- using java to host the website.
- uses javascript for payment configuration and qr display.

### Story App application — 2024

*Tools:  Kotlin,Api,Postman*
*From: Final Submission of Cancer Detection Application Dicoding Indonesia*

- an application that is like a Instagram story
- The application provides a story feature that can add, update and delete stories, and you can also see the users who have viewed our stories.

**Cancer Detection Application**                                           **2024**
*Tools:  Kotlin,Tensorflow lite*
*From: Final Submission of Cancer Detection Application Dicoding Indonesia*

- The application can detect cancer, and also displays health references and confidence scores

## SKILLS

**Soft skill:**

- Team Collaboration
- Effective Communication
- Critical Thinking
- Works Under Pressure
- Code Reading Proficiency
- Patience
- Leader
- Time Management

**Hard skill:**

- Programming Languages : Pascal, C, JavaScript, PHP, Java, Python, Kotlin, Flutter
- Web Technologies : HTML, CSS, PHP, JavaScript, Springboot
- Development Tools : Lazarus, Arduino, Delphi 7, Visual Studio Code, Eclipse, NetBeans, PyCharm, Google Colaboratory, Android Studio
- Database : MySQL, HeidiSQL
- Operating Systems : Windows, Linux
- Office Tools : Microsoft Word, Microsoft Excel