

# Ali Imannudin

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## Technical Skills

**Programming Languages:** Java, Python, JavaScript, TypeScript.

**Framework & Library:** Next.js, React.js, TensorFlow, Scikit-learn, FastAPI, Tailwind CSS.

**Tools & Technologies:** Git, GitHub, Linux, REST API, TensorFlow Lite, TensorFlow.js.

## Experience

### Laboratory Assistant

Bogor, Indonesia

#### Faculty of Computer Science

Feb 2026 - Present

- Assist and mentor more than 50 students each semester in Object-Oriented Programming courses using Java.
- Support students in debugging and solving programming-related challenges.
- Contribute to the preparation of laboratory materials, assignments, and assessment activities.
- Guide students in understanding programming concepts and applying coding best practices.

### Full Stack Developer

Bogor, Indonesia

#### Student Executive Board

Sep 2025 - Oct 2025

- Developed the organization's official website using Next.js with Server-Side Rendering (SSR).
- Built responsive user interfaces and implemented core website functionalities.
- Optimized application performance to improve user experience.
- Handled debugging, maintenance, and feature enhancements.

## Projects & Technical Experience

### AI Engineer Cohort

#### Pijak in collaboration with IBM SkillsBuild

Feb 2026 - Present

- Developed Machine Learning models using K-Means Clustering and Decision Tree Classifier with Scikit-learn.
- Performed Exploratory Data Analysis (EDA), data preprocessing, and feature engineering within Machine Learning pipelines.
- Built a sentiment analysis model using more than 3,000 scraped data samples, achieving 85% accuracy.
- Developed image classification models using Convolutional Neural Networks (CNNs) with TensorFlow.
- Exported models into SavedModel, TensorFlow Lite, and TensorFlow.js formats for deployment purposes.

## Education

### Computer Science Undergraduate

Bogor, Indonesia

#### Universitas Djuanda

Sep 2024 - Present

- Semester 3 GPA: 3.95 / 4.00

## Leadership & Organizational Experience

### Program Chair

#### Basic Leadership Training Program

Dec 2025 - Jan 2026

- Led a committee of 50 members in organizing a Basic Leadership Training program for 55 first-semester students.
- Coordinated all program activities over a two-day event, from planning and preparation to post-event evaluation.
- Ensured the program was executed effectively, systematically, and in accordance with organizational objectives.