

# FARHAN KHOIRUDIN

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S1 graduate of Gunadarma University from the Department of Computer Systems. Have interests and abilities in the fields of IoT, Research, Project Management, educators and as mentoring assistants in the field. He has experience in conducting field and laboratory research, and conducting robotics laboratory project research and has participated in an internship program at a robotics company in the field of Technology Research and Innovation.

## PORTFOLIO WEBSITE

Portofolio : <https://websiteportofolio-farhanudin1s-projects.vercel.app/>

Github : <https://github.com/Farhanudin1>

Project : - <https://smartfarming.my.id>

- <https://v0-website-clone-request-nine-alpha.vercel.app/>

- <https://v0-dashboard-agrimarliv-udinsunregs-projects.vercel.app/dashboard>

## EDUCATION

### GUNADARMA UNIVERSITY

2020 – 2024

S1 Computer Systems – GPA 3.61/4.00

## EXPERIENCE

### RESEARCH & DEVELOPMENT

February 2025 - Now

PT. GLOBAL SOLUSINDO KOMPUDATA

Conduct research and technological innovation, as well as create automation tools and programs needed by companies

### ROBOTICS LABORATORY ASSISTANT

2022 – 2024

Center for Multimedia & Robotics Studies

- Workshop instructor & robotics practicum
- Making Various Types of Robotics Practicum Tools
- A member of the research team appointed to develop the Single Axis Solar Tracker into a Dual Axis Solar Tracker
- Mentoring Assistant Trainee and also as a supervisor and mentor for new assistants.
- Update the Teaching Module for each year.

### INTERNSHIP

October 2022

PT SARI TEKNOLOGI

- Making various robots for education that are used for elementary - high school teaching materials
- Creating modules to teach in several schools around Jakarta
- Teaching extracurricular and robotics workshops in schools around Jakarta
- Roboshop inventory updates and fixes all incorrect data and components

### SOURCES

March 2024

Desemination of Student Research Results

Become a resource person in a dissemination event for scientific research for students who want to continue their research for semester 6

## PROJECT

### • HEALTH

Design and build a device to monitor the human body's heart rate and oxygen levels

Github: (<https://bit.ly/4gESdCx>)

- **GREEN ENERGY**

Position monitoring on solar panel control systems for renewable energy

Github: (<https://bit.ly/3VLLUVA>)

- **SMART FARMING**

Designing a green house system for chili plants using the aduino cloud-based smart farming method

Github: (<https://bit.ly/4gAFBMw>)

## **NATIONAL STRATEGIC PROJECT**

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### **SWASEMBADA PANGAN**

- Creating a Website Using Golang
- Collect different types of datasets for DEEP LEARNING
- Conduct thorough research through various journals
- Creating a 3D Design using a blender

Github: (<https://github.com/Farhanudin1/deep-learning-swasembada-pangan.git>)

## **ORGANIZATION**

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### **HMSK (STUDENT ASSOCIATION)**

2021 – 2022

#### **Public Relations**

- Responsible for disseminating information for students majoring in
- Dealing with issues related to the problems experienced by students
- Carrying out humanitarian activities such as donations and so on

## **ABILITIES AND EXPERTISE**

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### **SOFT SKILLS**

- Work in teams and individuals
- Public Speaking
- Problem Solving
- Leadership

### **HARD SKILL**

- Language C, linux, python, golang, node.js, next js, react js
- Able to design and manufacture tools using blender
- Research & innovation

## **WORKSHOP**

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- DRONES
- MICROCONTROLLER
- BUILDING WEBSITE USING HTML 5
- RASPBERRY PI

## **COURSE**

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- Amazon Web Services Training and Certification



### **AWS re/Start Graduate**

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