

FARHAN KHOIRUDIN

<https://github.com/Farhanudin1> | 082211824620 | farhankhoirudin1@gmail.com | ig:farhan_khoirudin

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.

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

Dissemination 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

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

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

SOFT SKILLS

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

HARD SKILL

- Mastering Language C, linux, python, html, golang
- Able to design and manufacture tools using blender
- Research & innovation

WORKSHOP

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

COURSE

- Amazon Web Services Training and Certification



AWS re/Start Graduate

Issued by [Amazon Web Services Training and Certification](#)

Earners of this badge have completed the AWS re/Start program. AWS re/Start is a skills development and job training program that prepares learners for careers in the cloud. Each cohort, supported by professional mentors and accredited trainers, completes training. [More...](#)

[Learn more](#)

https://www.credly.com/badges/e47f19ba-97a2-49aa-917b-aaf0eb9be42c/public_url

- COMPUTER NETWORKS REQUIREMENT IDENTIFICATION
- COMPUTER NETWORKS CONNECTIVITY
- ADDRESSING AND ROUTING IN COMPUTER NETWORKS
- COMPUTER NETWORKS SECURITY
- COMPUTER NETWORKS FAILURE TRACKING AND RECOVERY
- COMPUTER NETWORKS PERFORMANCE OPTIMIZATION
- NETWORK DESIGN AND CONFIGURATION