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

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

- Workhsop 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 Traine 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

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

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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...

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