DUTA KUKUH PRIBADI

AI Engineer

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Jakarta

Known as Kukuh, a Computer Engineering Student at Brawijaya University. Experience has been gained in Computer Vision Research, Generative AI Research, Robotics, Embedded Systems, IoT, and Cloud Computing. Diligence, discipline, and curiosity about new experiences are integral parts of the personality, aligning with the drive to enhance self-potential in facing existing challenges.

Skills

- **Hard Skills:**
  YoloV8, YoloV5, Tensorflow, Pyhon, Jupyter, C++, Embedded System (ESP, Arduino, Raspberry Pi), OpenCV, Pytorch, Linux, Kubernetes, Docker, Ansible, OpenAI, Generative AI, AWS.
- **Soft Skills:**
  Highly adaptable with strong time management skills, capable of working independently or collaboratively in a team, with excellent leadership and public speaking abilities.

Work Experiences

Agustus 2024 – now

AI Engineer
Sustainable Living Lab (SL2) -
Singapore

- Build a Generative AI service to make an ESG Report as a part of company product
- Build three Policy generator services including modern slavery, anti-bribery and corruption policy, and Sustainable Procurement Policy using openAI API service
- Built 4 Optical Character Recognition services to detect the emissions based on the two type emissions (Scope 1 and Scope 2)

Education

Aug 2021 – Dec 2024

Brawijaya University - Malang
Bachelor's Degree in Computer Engineering, GPA 3.86/4.00

- Pursuing a degree in Computer Engineering with a focus on Embedded Systems and Robotics Engineering.
- Being part in Research Projects in Robotics and Embedded System Laboratory.
- Contributing to 3 projects Embedded Systems and IoT: Egg incubator using Arduino UNO, Educational Ornamental plant Products Using ESP32 and Smart IoT for monitoring hydroponic plants integrated with Android apps.

Organization

Feb 2023 – Dec 2024

ROBOTIIK FILKOM Universitas Brawijaya – Malang
Staff of Vision Programming (2023), Vice Chairman (2024)

Feb 2023 – Jan 2024

Himpunan Mahasiswa Departemen Teknik Informatika Universitas Brawijaya - Malang
Head of Department of Science and Professional Development

Feb 2022 – Dec 2022

Himpunan Mahasiswa Teknik Komputer Universitas Brawijaya - Malang
Staff of PSDM Department (2022)

Projects

- Autonomous Robot : Autonomous Surface Vessel (ASV), Autonomous Underwater Vehicle (UAV)
- Embedded System : Egg incubator using Arduino UNO, Educational Ornamental plant Products Using ESP32, Smart IoT for monitoring hydroponic plants integrated with android apps

Thesis

IMPLEMENTATION OF RASPBERRY PI 5 PULSE WIDTH MODULATION IN WIRELESS POWER TRANSFER SYSTEMS