SULTAN AHMAD ALFATH

SUMMARY

An undergraduate student, technology enthusiast, passionate about AI, machine learning, and Embedded system. I have been involved in some projects on academic courses, such as smart home miniature, door alarm system, document search engine, and implementation of pre-trained computer vision model. Currently expanding my knowledge in AI, Machine Learning, and Computer vision fields. I'm able to work in team, have a good communication, problem solving, and analytical thinking to contribute and work effectively on a project.

EXPERIENCE

Academic projects
- Smart Home Miniature Prototype (Team Leader) - Embedded system course (5th semester)
  - Controlling and managing team project to work effectively and efficiently, by arranging workload based on team member skills and project scheduling to complete the work on-time.
  - Creating conceptual design for smart home miniature by considering course's final project requirements and team budget to make "budget-efficient project" without compromising the prototype quality.
  - Integrating several modules (automatic lamp, door alarm, automatic garage, fire and smoke alarm) with cloud service to enable remote control capabilities within system.
- Simple Door Alarm (IoT Personal Project) - Kuliah Kerja Nyata (5th semester)
  - Integrating implemented device with blynk app for long distance/remote control
- Document Search Engine (Model tester/evaluator) - Information retrieval course (6th semester)
  - Successfully completing project milestones before deadline
  - Successfully finding an error/bug within model to enhance its quality.
- YOLOv7 for object detection and object color extraction (Team leader) - Kapita selekta informatika course (6th semester)
  - Successfully implementing pre-trained computer vision for real life uses
  - Designing and implementing algorithm for color extraction using YOLOv7 model.

EDUCATION

2020 - Present | Institut Teknologi Sumatera (Bachelor of Informatics Engineering)

SKILLS

- Python Programming
- IoT
- SQL
- Teamwork
- Problem Solving
- Analytical Thinking
- Communication
- Microsoft Office

LANGUAGES

- Indonesian - Native
- English - Intermediate

PERSONAL CONTACT

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