

SULAIMAN ALI

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PROFIL SUMMARY

Technology passionate person who spends his time involved in technology-based projects such as robotics, big data, and data analytics. A person with optimism, hardworking, ability to analyze problems, strong thinking capability, and good communication. On the other hand, he has a good team working and is easy to learn high curiosity about something new. Strong experiences in problem-solving and leadership.

EDUCATION

Sepuluh Nopember Institute of Technology (ITS) – Surabaya, Indonesia S1 Bachelor's degree Engineering Physics / GPA 3,35	2019 - 2021
Sepuluh Nopember Institute of Technology (ITS) – Surabaya, Indonesia D3 Associate's degree Electrical Engineering / GPA 3,41	2016 - 2019

SKILL AND EXPERIENCE

Professional Experience

- Pertamina Integrated Enterprise Data and Command Center Dec 2021- Jun 2022
Responsible for data-driven to decision maker, data cleaning, data visualization, data analysis, interpreting, and communicating data analytics findings. Visualize and present data findings in dashboards with Power BI Tool
 - Tris Dashboard Project, this dashboard used to monitoring “Risiko Gangguan Keamanan pada Proses Bisnis Pertamina”
 - Satuan Tugas Ramadhan Idul Fitri 2022 Dashboard Project, this dashboard has goal to monitoring movement Indonesian society base on consumption energy.

Certificate & License

- Google Data Analytics
Completed 3 month Google Data Analytics Profesional Certificate. Demonstrated hands-on experience with data driven to decision maker, data cleaning, data visualization, data analysis with R, interpreting and communicating data analytics findings. Confidence in transforming complex data into actionable and clear insights. Fluency in computer programming languages and a solid understanding of database.
- Profesional Academy Digitalent Scholarship
Completed 1 month Data Scientist program with DQLAB. Practise hands-on R fundamental, SQL fundamental, statistic with R, data visualization with R, and some project related entry-level of data science.

My Research Final Project Study

- IoT Project Mobile PV
Developed and research mobile photovoltaic using fuzzy controller to be tracking the sun on two axis motor and build monitoring of it system based on Internet of Things. Mobile PV is solar tracker system with base moving. So, this project will be applied at object that can be mobile such as electric vehicle.
- Remotely Operated Vehicles Underwater
Designing robot underwater vehicle that can be remoted for observation water environment

Internship

- PT Jasa Marga IoT Lab Agust 2020 - Sept 2020
In this internship, I learn Single-Lane Free Flow (SLFF) which is one of the projects undertaken by Jasa Marga IoT Lab. SLFF is an electronic transaction system, by using this payment method it hoped that road users don't need to stop their vehicles at toll gates.
- Teacher of Robotic Extracurricular at Sekolah Robot Indonesia Agust 2019 - March 2020
Here I am a robotics extracurricular teacher. teach several schools in Surabaya.
- PT Cinovasi Rikaprima September 2018 - January 2019
In this internship, I learn a lot of things about internet of things. One of the projects is recognize plate number.

Tools & Application

- Business Intelligence Tools Power BI, Excel, SharePoint
- Mechanical, Design 3D Inventor, Fusion
- Electronic, Design PCB, System Embedded, Microcontroller, STM32, Arduino, Proteus Simulation
- Design and editing, Sony Vegas, Corel Draw

Programing Languages:

- C/C++, Python, Html, R

Research Interest:

- Data Analyst, Data Science, Artificial Intelligence, Robotics, Internet of Things, Mechatronics, Automotive Electrical System, Automation,

ACTIVITY AND SOCIETIES

ITS ABU Robocon Robotics Team – Surabaya, Indonesia 2019-2020

Potition, Programming & Electronics Co-Lead, Researching and responsible for ‘rugby robot’ electronics-programming development

ICHIRO Humanoid Robot Soccer Research Team of ITS – Surabaya, Indonesia 2018-2019

Potition, Team Leader, Responsible to lead, monitor, and supervise the team for contributing to the growth of the organization. In this tim we join two international competition Robocup and FIRA HuroCup. RoboCup is an international scientific initiative with the goal to advance the state of the art of intelligent robots and the goal of the HuroCup league is to develop robots that can perform several tasks in complex environments.

ICHIRO Humanoid Robot Soccer Research Team of ITS– Surabaya, Indonesia 2017-2019

Potition, Electrical & Mechanical Division, Researching, designed, maintained and responsible for ‘humanoid robot soccer’ electronics-mechanical development.

ACHIEVEMENT AND AWARDS

2020

- 1st place of LAI2-COVID19 Sub Robot, Ditmawa ITS
Designed hospital robot to respond to pandemic through technology innovation: Mobile Robot Covid-19 HOSIRO-USIRO (Hospital System Robot - Universal System Robot)
- Adhiwiramukti ITS 2020
This award is given to me as ITS students who excel non-academic fields at 60th Dies Natalis ITS Lustrum XII
- 1st place and best strategy of Kontes Robot ABU Indonesia 2020
Responsible to programing and operator of robot rugby as the theme of competition.
- Praktis dan Aman Kontes Robot Tematik Indonesia 2020
Designed hospital robot that can lift patient form bad to another bad. This is to respond to pandemic through technology innovation

2019

- 1st place of Robocup International 2019, Technical Challenge Humanoid Teen Size, Sydney, Australia
- 3rd place of Robocup International 2019, Humanoid Robot Soccer Teen size, Sydney, Australia

- 3rd place of Robocup International 2019, Technical Challenge Humanoid Kid Size, Sydney, Australia
- Appreciation from Indonesia’s Ministry of Youth and Sports as “Pemuda Hebat”
- 1st place of Robocup International 2018, Humanoid Robot Soccer Teen size, Montreal, Canada
- 2nd place of Robocup International 2018, Drop in Challenge Humanoid Teen size, Montreal, Canada
- 2nd place of Robocup International 2018, Technical Challenge Humanoid Teen Size, Montreal, Canada
- 3rd place of Robocup International 2018, Best Humanoid Robot, Montreal, Canada
- 1st place of FIRA RoboWorld Cup 2018, Sprint Humanoid Kid Size Robot, Taichung, Taiwan
- 1st place of FIRA RoboWorld Cup 2018, United Soccer Humanoid Kid Size Robot, Taichung, Taiwan
- 2nd place of FIRA RoboWorld Cup 2018, Obstacle Run Humanoid Kid Size Robot, Taichung, Taiwan
- 2nd place of FIRA RoboWorld Cup 2018, Mini DRC Humanoid Kid Size Robot, Taichung, Taiwan

- 3rd place of FIRA RoboWorld Cup 2018, All Round Humanoid Kid Size Robot, Taichung, Taiwan
- 3rd place of “Mahasiswa Berprestasi Vokasi 2018” Institut Teknologi Sepuluh Nopember
- 2017
 - 1st place of Kontes Robot Indonesia (KRI) 2017 Humanoid Robot Soccer Competition, Regional Level East and Central Java
 - 2nd place of KRI 2017 Humanoid Robot Soccer Competition, National level in Bandung, Indonesia
 - 2nd place of FIRA RoboWorld Cup 2017, Sprint Humanoid Adult Size Robot, Kaoshiung, Taiwan
- 2nd place of FIRA RoboWorld Cup 2017, Obstacle Run Humanoid Adult Size Robot, Kaoshiung, Taiwan
- 2nd place of FIRA RoboWorld Cup 2017, Mini DRC Humanoid Adult Size Robot, Kaoshiung, Taiwan
- 3rd place of FIRA RoboWorld Cup 2017, All Round Humanoid Adult Size Robot, Kaoshiung, Taiwan
- 3rd place of FIRA RoboWorld Cup 2017, Marathon Humanoid Adult Size Robot, Kaoshiung, Taiwan

PORTOFOLIO

Web Personal:

- https://sulaimanali281.github.io/story_my_li_fe/
- <https://linktr.ee/sulaimannali>

Youtube:

- https://www.youtube.com/watch?v=sr2S_FMV4U
- <http://www.youtube.com/c/ICHIROITS>

- https://www.youtube.com/channel/UCxaBXt09hDDTGb620OBsx7A?view_as=subscriber

Publication:

- Muhtadin et al. (2019) Ichiro Robots Winning RoboCup 2018 Humanoid TeenSize Soccer Competitions. In: Holz D., Genter K., Saad M., von Stryk O. (eds) RoboCup 2018: Robot World Cup XXII. RoboCup 2018. Lecture Notes in Computer Science, vol 11374. Springer, Cha