Muhammad Reza Ar Razi

München, Germany   +62 81335843939   rezaarrazi@gmail.som   LinkedIn   GitHub

Education

Technical University of Munich

Munich, Germany

Master's Degree in Informatics | Grade: 2.7

2023 – 2025

Work Experience

Huawei Munich Research Center

Munich, Germany

Master Thesis Student

06/2024 – Present

- Conducting research on the interpretability of Large Language Models (LLMs)
- Developing novel algorithms for privacy-preserving LLMs

Huawei Munich Research Center

Munich, Germany

Working Student - Trustworthy Technology and Engineering Lab

11/2023 – 05/2024

- Reviewed prior research related to LLM privacy
- Implemented privacy attacks like attribute inference, membership inference, and data extraction
- Conducted empirical evaluations on public and industrial datasets

Chair of Robotics, AI, and Real-time Systems, Technical University of Munich

Munich, Germany

Graduate Student Research Assistant

06/2023 – 06/2024

- Developed an AGV system and hierarchical control for Festo Robotino
- Built OpenAI Gym-based simulations for kinematics and dynamics
- Implemented navigation systems for robust sim-to-real transfer

PT. Artha Dana Teknologi (indodana.com)

Jakarta, Indonesia

Senior Data Scientist

10/2021 – 04/2023

- Developed and productionized machine learning models for fraud detection and scoring
- Implemented semantic segmentation of ID cards to improve OCR performance
- Improved automation processes in loan application assessments

PT. Artha Dana Teknologi (indodana.com)

Jakarta, Indonesia

Risk Modelling Analyst

09/2019 – 10/2021

- Built credit risk models and conducted analytics
- Analyzed key metrics to determine and mitigate risk
- Partnered with the product team to improve risk detection processes

UBTECH Robotics Indonesia

Jakarta, Indonesia

Robot Engineer Intern

12/2018 – 02/2019

- Developed educational robots and created learning modules for children
- Taught robotics concepts to children

GDP Labs Artificial Intelligence Research (GLAIR)

Jakarta, Indonesia

AI Engineer Intern

07/2018 – 09/2018

- Researched and forecasted time series data using statistical and deep learning methods

- Analyzed and visualized time series data

Side Projects

⌕ Humanoid Robot Soccer Research
- Led a team to develop autonomous humanoid robots capable of playing soccer using advanced computer vision and object recognition technologies.
- Utilized TensorFlow and OpenCV, achieving awards at RoboCup International for innovative use of AI in robotics.

Achievements

- **2nd Place - RoboCup International 2018:** Secured second place in the Drop-in Challenge (Humanoid Teen Size) at RoboCup International 2018 in Montreal, Canada.
- **2nd Place - Technical Challenge, RoboCup 2018:** Won second place in the Technical Challenge (Humanoid Teen Size) at RoboCup International 2018 in Montreal, Canada.
- **3rd Place - Best Humanoid Robot, RoboCup 2018:** Recognized as the third-best humanoid robot at RoboCup International 2018 in Montreal, Canada.
- **1st Place - Kontes Robot Indonesia (KRI) 2017:** Achieved first place in the Humanoid Robot Soccer Competition (Regional Level - East and Central Java) at KRI 2017.
- **2nd Place - KRI 2017 National Level:** Secured second place at the National Humanoid Robot Soccer Competition in Bandung, Indonesia.
- **1st Overall - FIRA HuroCup 2017:** Won first place overall at the Federation of International Robot Association (FIRA) HuroCup 2017 in Kaohsiung, Taiwan, excelling across multiple categories.
- **1st Place - Mini DRC, FIRA HuroCup 2017:** Achieved first place in the Mini DRC category at FIRA HuroCup 2017 in Kaohsiung, Taiwan.
- **1st Place - Sprint, FIRA HuroCup 2017:** Won the Sprint category at FIRA HuroCup 2017 in Kaohsiung, Taiwan.
- **1st Place - United Soccer, FIRA HuroCup 2017:** Secured first place in the United Soccer category at FIRA HuroCup 2017 in Kaohsiung, Taiwan.
- **3rd Place - Obstacle Run, FIRA HuroCup 2017:** Earned third place in the Obstacle Run category at FIRA HuroCup 2017 in Kaohsiung, Taiwan.
- **1st Place - Kontes Robot Indonesia (KRI) 2016:** Won the Humanoid Robot Soccer Competition (Regional Level - Jawa Timur) at KRI 2016.
- **3rd Place - KRI 2016 National Level:** Secured third place in the Humanoid Robot Soccer Competition at KRI 2016 National Level in Surabaya, Indonesia.
- **2nd Overall - FIRA HuroCup 2016:** Achieved second place overall at FIRA HuroCup 2016 in Beijing, China.
- **2nd Place - United Soccer, FIRA HuroCup 2016:** Secured second place in the United Soccer category at FIRA HuroCup 2016 in Beijing, China.
- **2nd Place - Sprint, FIRA HuroCup 2016:** Won second place in the Sprint category at FIRA HuroCup 2016 in Beijing, China.
- **2nd Place - Obstacle Run, FIRA HuroCup 2016:** Earned second place in the Obstacle Run category at FIRA HuroCup 2016 in Beijing, China.
- **2nd Place - Marathon, FIRA HuroCup 2016:** Achieved second place in the Marathon category at FIRA HuroCup 2016 in Beijing, China.
- **2nd Place - Asia Pacific ICT Award 2014:** Secured second place in the Asia Pacific ICT Award 2014 held in Jakarta, Indonesia.
- **2nd Place - Indonesia ICT Award 2014:** Won second place in the Indonesia ICT Award 2014, highlighting innovation in technology development.

Certifications

- **Natural Language Processing with Classification and Vector Spaces:** Certification from Coursera demonstrating knowledge of Natural Language Processing (NLP) and Artificial Neural Networks.
- **Sequence Models:** Coursera certification focusing on Transformer Models, Long Short-Term Memory (LSTM), and advanced sequence modeling techniques.

Additional Skills

- Artificial Intelligence
- Large Language Models
- Machine Learning
- Robotics
- Data Analysis
- Python
- TensorFlow
- PyTorch
- SQL
- Pandas

- Model Evaluation

- **Languages:** English (Fluent)