I Putu Romyadhy Mahaputra

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Education

Universitas Pendidikan Ganehsa   Singaraja, Bali
Bachelor of Science in Computer Science   *August 2022 – Present*
- Select coursework: Networks, Machine Learning, Algorithms, Data Structures, OOP, IoT, Web Dev, Database

Technical Skills

Programming Languages: C/C++, HTML/CSS, JavaScript, Python, SQL, PHP
Software/Tools: Git, Vim, CMake, Linux; Docker, MySQL, Laravel, React.js, Vue.js, Next.js; Microsoft Office

Work Experience

Living Lab FTK X Dago Engineering Undiksha   Singaraja, Bali
Student Researcher   *February 2025 – Present*
- Build **IoT** system that can Monitoring the water quality using some parameter sensors, integrating IoT data distributions using MQTT into RASPI, and Firebase
- Making a telegram bot to monitoring and control manual pump at those hydroponics

RSU Kertha Usada   Singaraja, Bali
IT Support   *August 2025 – December 2025*
- Build a **Helpdesk IT Support system**, that can report and store all the issue and report in several fields at hospital
- Presented and proposed new system that can record all problems and reports from several areas in the hospital updated real-time like via website using Laravel

Projects

Monitoring and Automations Hydroponics   *February 2025 – Present*
- Building **IoT** for monitoring and doing some automations using machine learning with those data
- Researcher project in living lab that used all the tech fields in hydroponics things
- Making distributions data sensor, stored on RASPI, notifications on telegram bot
- Collaborate with the team and make a paper, and submitting this project into GEMASTIK

Helpdesk IT Support System   *August 2025 – December 2025*
- Build a system that can stored all the problem and report at **RSU Kertha Usada**, using Laravel
- Helped to making feature that can **record all the issue** in daily and making an **automatic report** in daily, monthly, until annual report

Ganesha Homecare   *October 2024 – December 2024*
- Group Project about homecare at health center, help to maintenance website that used CodeIgniter
- Creating API about history and transactions feature, tested using postman. Deploying and config at health center in Badung, Bali
- Presented and joint discussion regarding the results of the website at the health center, and helping to create documentation for the website