



# PUNCHARAT CHAMNANYA

## IoT and Smart Solution

### CONTACT INFO



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<https://github.com/puncharat555/resume>

### HARD SKILLS

#### Programming Languages



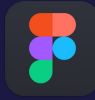
#### Database



#### Server & Backend



#### Tools



### SOFT SKILLS

- Diligence
- Problem-Solving
- Perseverance
- Time Management
- Responsibility
- Able to work well under pressure



### OBJECTIVE

I'm currently a bachelor's student in Computer Engineering at the Faculty of Information and Communication Technology. I'm seeking an internship opportunity to gain hands-on experience, particularly in areas related to IoT and Smart Solutions. I'm eager to strengthen my practical skills, collaborate effectively with others, and apply my academic knowledge to real-world projects. I'm also excited to enhance both my technical capabilities and soft skills as I prepare for a future career in the IT and embedded systems field.



### EDUCATION



#### University of Phayao

2022 - Present

(Computer Engineering)

School of Information and Communication Technology



#### Maechanwittayakhom School

2018 - 2022

(Science-Mathematics and Computer )

Department of Science and Technology Education



### EXPERIENCE

#### Prototype of a Remote Water Level Monitoring and Tracking System Using LoRa Communication

- Designed and developed a prototype to monitor and transmit water level data over long distances using multi-hop LoRa communication.
- Applied knowledge of wireless networks to analyze, design, and implement a real-time monitoring system.
- Developed a backend system to store sensor data in a database and enable further analysis and visualization.
- Implemented logic for data logging to SD card in cases of network failure or offline conditions.
- Integrated ACK (Acknowledgment) mechanisms to ensure reliable data transmission between nodes.
- Improved skills in embedded systems programming (Arduino/ESP32), LoRa communication protocols, and real-time system design.