

# BURATHAT NIAMSOMDEE

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## ABOUT ME

A results-driven Software Developer and Production Engineer with over 4 years of experience in Web Development, AI implementation, and RPA. Currently pursuing a master's in software engineering for AI, with a strong background in React, Node.js, and Python. Proven track record in developing scalable IoT systems and optimizing industrial processes through automation and LLM-integrated solutions.

## WORK EXPERIENCE

### IT Application (SNC Former)

Jan 2024 - Present

- Developed a Robotics Process Automation for ERP System (iRPA, Power Automate)
- Developed a web-based system for storing production data (React.js, PHP, MSSQL).
- Developed a software material management system for Industrial plant
- Developed a Retrieval-Augmented Generation (RAG) system using FastAPI and Python (Chatbot LLM)

### Production Engineer (SNC Former)

Aug 2021 - Jan 2024

- Built an IoT system to monitor machine status and collect inspection data for analysis.
- Developed an AI Project in a Manufacturing (PyTorch, Fast-RCNN, Python)
- Developed and deployed industrial robotic programs to automate manual tasks, improving production throughput. (ABB)

## EDUCATION

### Master of Science Programmed in Software Engineering for Artificial Intelligence

Feb 2025 - Studying

King Mongkut's University of Technology Thonburi

- Major in AI Software Engineering.

### Bachelor of Mechatronics Engineering (GPAX 3.83)

Aug 2021 - Oct 2024

Suranaree University of Technology

- Major in Automation Technology.
- Thesis on "scheduling system using the NSGA-II algorithm to optimize production schedules".

### Diploma in Electrical Power and Control

Mar 2019 - Apr 2020

Prachinburi Technical College

- Relevant coursework in Electrical Power Distribution, PLC Control Systems, Relay Logic, and Electrical Circuit Design.

## ADDITIONAL INFORMATION

- Technical Skills: Mechatronics System Integration, Robotics and Automation, CAD for Mechatronics, Robotics Process Automation, AI & Machine Learning, Programming Language, Internet of thing
- Languages: Thai, English
- Certifications: Data Science Bootcamp 11, AI for All: From Basics to GenAI Practice, Super AI Engineer Season 5