



ABID SULAIMAN

Software/Firmware Developer

Experienced programmer specializing in IoT devices with energy harvesting systems and communication technologies. Equipped with a proven track record of designing and implementing effective algorithms. Passionate about improving quality of life with scripts and applications.

📍 : Nuremberg, Germany

☎ : +49 176 4587 4995

✉ : abidsulaiman95@gmail.com

🏠 : abidkyo.github.io

WORK EXPERIENCE

Academic Assistant

Fraunhofer Institute for Integrated Circuits

03/2019 – 05/2023

- Develop and maintain microcontroller firmware for various use-cases and applications.
- Conduct data collection and analysis on the performance of different communication technology.
- Mentor interns by providing guidance and support on their work.

PROJECTS

Energy-Aware System Control for Radio Module with Vibration Sensor

Master Thesis

10/2022 – 03/2023

- Designed and implemented algorithms to ensure optimal system performance while preventing data loss by prioritizing and parameterizing tasks execution.

People Counting by means of Radar Sensor Technology Project Work

04/2021 – 09/2021

- Developed a remote occupancy monitoring system with radar sensor and LoRaWAN technology.

Energy-Aware Measurement Algorithm for an Energy Management Platform

Bachelor Thesis

10/2019 – 03/2020

- Designed and implemented an algorithm to efficiently measure energy generated by an energy harvesting system.

Home Automation System

Project Work

03/2018 – 09/2018

- Designed and developed a system utilizing CAN bus technology to efficiently control lighting, heating and ventilation systems.

EDUCATION

M.Eng Electronic and Mechatronic System

Nuremberg Institute of Technology

10/2020 – 03/2023

Major in Informatics

B.Eng Medical Engineering

Nuremberg Institute of Technology

10/2015 – 09/2020

Major in Mechatronics

SKILLS

Problem Solving

Data Analysis

Git

Linux

Vim

LaTeX

PROGRAMMING

STM32

Flutter

C

Python

Bash

LANGUAGE

Malay – Native

English – Proficient

German – Proficient

Japanese – Basic

HOBBY

Pool

Table Tennis