Shadly Salahuddin

Personal Information

Address :	Wuppertal, North Rhine-Westphalia, Germany
Date of Birth :	15 December 1993
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Work Experience

May 2019 - Sept. 2019

Software Engineer
PeepThePlace (A brand of Solace Innovations)
Dhaka, Bangladesh

- Developed OpenWrt based OS for IP Camera and Surveillance Systems.
- Developed applications and services for Embedded Linux platforms.
- Extended and maintained web applications using JavaScript.

March 2016 - April 2019

Embedded System Engineer
AplombtechBD Ltd. (A concern of Sinepulse GmbH, Germany)
Dhaka, Bangladesh

- Developed Linux based OS and Services for LoRa IoT Gateway.
- Developed hardware, software and firmware for wide range of processor architectures including i386, x86_64, amd64, AVR, ARM, MIPS.
- Played a key role in hardware design and software architectural decisions in different projects.
- Served as lead firmware and hardware developer for Smart Meter IoT module.
- Maintained firmware and provided technical support for Bangladesh Power Development Board Smart Metering pilot project.
- Worked with different networking and communication protocols (TCP/IP, PPPoS, TFTP, MQTT, DLMS/COSEM, ISO/IEC 13239:2002, IEC-62056, DL/T645) in various platforms.
- Worked with different radio technologies like LoRa, Wifi, BLE and GSM.
- Worked with different cryptography and hashing algorithms (AES, DES, MD5, SHA-1, GMAC).

Education

October 2019 - Present

Master of Science, Computer Simulation in Science
Bergische Universität Wuppertal
Specialization : Imaging in Medicine

January 2011 - June 2016

Bachelor of Science, Electrical & Electronic Engineering
Rajshahi University of Engineering & Technology
Thesis : Computer aided detection of brain tumor from MRI images using image processing techniques

Skills

Programming Language :	C, C++
Familiar With :	JavaScript, Python
Platforms :	Linux (Debian, OpenWrt, Buildroot etc.), Windows
Architecture :	i386, x86_64, amd64, AVR, ARM, MIPS
Communication Technology :	Wifi/Wifi Mesh, LoRaWAN, GSM/GPRS, Ethernet
Text Formatting :	Markdown, Doxygen

Awards

December 2015	*First runner-up* in *Green Brain 2015 - Idea Contest* organized by The American Center, U.S. Embassy and IEEE RUET Student Branch.
December 2015	*First runner-up* in *Green Brain 2015 - Project Competition* organized by The American Center, U.S. Embassy and IEEE RUET Student Branch.
June 2014	*Champion* in *ETCell Weekend 2014 - Idea Contest* organized by The American Center, U.S. Embassy and IEEE RUET Student Branch.
September 2013	*Champion* in *University Day - Project Competition* organized by RUET Authority.
January 2009	*Champion* in *Inter-School & College Science Festival - Math Olympiad* held at Dhaka Residential Model College, Mirpur Road, Dhaka - 1207.

Public Speaking Activities

December 2018	*Speaker* at *Young Professionals Meet Up* program held at United International University organized by IEEE Young Professionals Bangladesh Section.
August 2017	Conducted seminar as *Keynote Speaker* on *IoT And Its Impact* held at ECE Seminar Room, RUET on August 19, 2017 organized by IEEE RUET Student Branch.
January 2015	Conducted workshop on *Line Following Robot* held at RUET organized by Robotics Society of RUET.
May 2014	Conducted workshop on *Introduction to Image Processing using OpenCV* organized by Robotic Society of RUET.
March 2014	Conducted seminar on *Bengali Voice & Gesture Controlled Robot* on 3rd March, 2014 organized by Robotic Society of RUET.

Leadership Activities

January 2014 - January 2015	**Technical Secretary** *Robotics Society of RUET* - Provided technical support for undergraduate student's projects. - Organized and Conducted seminars and workshops for undergraduate students.
January 2013 - January 2014	**Technical Instructor** *Robotics Society of RUET* - Conducted short courses on microcontrollers and firmware programming. - Prepared course materials for short courses.

Wuppertal, Germany
8th January 2020