

Shadly Salahuddin

PERSONAL INFORMATION

Address : 18, Bhagalpur Lane, Hazaribagh, Dhaka - 1205, Bangladesh
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WORK EXPERIENCE

MAY 2019 - SEPT. 2019	Software Engineer <i>PeepThePlace (A brand of Solace Innovations)</i> <i>Dhaka, Bangladesh</i> <ul style="list-style-type: none">• 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 <i>AplombtechBD Ltd. (A concern of Sinepulse GmbH, Germany)</i> <i>Dhaka, Bangladesh</i> <ul style="list-style-type: none">• 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 <i>Bergische Universität Wuppertal</i> Specialization : Imaging in Medicine
JANUARY 2011 - JUNE 2016	Bachelor of Science, Electrical & Electronic Engineering <i>Rajshahi University of Engineering & Technology</i> 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 ETCcell 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 as *Keynote Speaker on Line Following Robot* held at RUET organized by Robotics Society of RUET.
MAY 2014 Conducted workshop as *Keynote Speaker on Introduction to Image Processing using OpenCV* organized by Robotic Society of RUET.
MARCH 2014 Conducted seminar as *Keynote Speaker on Bengali Voice & Gesture Controlled Robot* on 3rd March, 2014 organized by Robotic Society of RUET.

LEADERSHIP ACTIVITIES

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

Wuppertal, Germany
8th January 2019