

MEEYAD SHABAB

@ meeyadms@stud.ntnu.no @ mmshabab90@gmail.com +47-46 36 45 90 Harald Bothners Veg 6, 7052-Trondheim
Trondheim, Norway github.com/mmshabab90 linkedin.com/in/meeyad-mohd-shabab/ <https://mmshabab90.github.io/my-profile/>

EXPERIENCE

System Architect

FOURC AS

Jul 2019 – Present Trondheim, Norway

- Development of IOT application using technologies such as:
 - C Programming to program NB-IoT devices
 - Python, Flask to create backend REST API and Front-end application

Teaching Assistant

NTNU

Sep 2018 – Apr 2019 Trondheim, Norway

- Teaching assistant for TFE4171 (Design of Digital Systems 2) course at NTNU. Working with SystemVerilog for verification, alongside helping teacher and students with academic work.
- Teaching assistant for TFE4141 (Design of Digital Systems 1) course at NTNU. Worked with PYNQ z1 FPGA board to implement RSA encryption/decryption on SOC, alongside helping teacher and students with academic work.

Freelance Consultant

Dec 2017 – Jul 2018 Trondheim, Norway

- Worked with SuperEgo AS to develop a module of their web application in PHP and Wordpress REST API. [<https://overvinne.no/no/bokhandelen>]
- Worked with MoJob AS to develop a short project implementing automation testing framework using APPIUM on both Android and iOS platform.
- Worked with Safenode AS to create a web-based control center using Angular4 and Firebase.

Manager, Quality Assurance Department

SOUTHTECH GROUP

Jun 2014 – Jul 2017 Dhaka, Bangladesh

- Worked with the management team to ensure the software products were quality assured as per ISO 9001 and CMMI L-5 requirements.
- Worked with KPMG and URS to audit organization and its alignment with the CMMI L-5 and ISO 9001 certification requirements and appraise for quality certification.
- Worked as a Data Analyst and Process Manager. Prepared and revised statistical models from the project data, to support project developments and optimize the process by continuous data analysis and process improvement.
- Perform regular internal audit to check that all the software products and departments complied with the organization policy.

Technical Writer

SOUTHTECH GROUP

Dec 2013 – Jun 2014 Dhaka, Bangladesh

- Peer review of Business and System level documentation.
- Writing user manuals based on System and Business Requirement Document.
- Use of tools such as Microsoft SVN and Enterprise Architect to write and update technical document using UML.
- Update of documentation following change management process. Revise documents as new issues arise.
- Standardize content across platforms and media.
- Gather usability feedback from customers, designers, and manufacturers.

EDUCATION

M.Sc. in Electronic Systems Design

Norwegian University of Science and Technology (NTNU) - Trondheim, Norway

Aug 2017 – Jun 2019 (expected)

Major in Embedded Systems

B.S. in Electrical and Electronics Engineering

North South University - Dhaka, Bangladesh

Jan 2009 – Mar 2013

CGPA: 3.39/4.00

VOLUNTEER WORK



BEST Trondheim, Norway

An active member in the Public Relations (PR) team.

- Previously worked in the corporate relations team communicating and maintaining sponsorship with the industries.
- Organizer to a course held by BEST in October 2018.



International Club of Trondheim (ICoT)

Jan 2019 – May 2019

- Active member of the student body. Organized a trip to Geirangerfjord-Alesund-Atlantic Road with a group of around 50 people.

STRENGTHS AND SKILLS

Hard-working

Time-Management

Motivator & Leader

Work oriented

Python

Verilog

SystemVerilog

PHP

Front-end Development

Web Development

EmberJS

React

React Native

Selenium

Appium

Process Management

MySQL

PostgreSQL

Android Development

MS SharePoint

Big Data Analysis

Data Science

PROJECTS

Academic and Industry

NTNU and Nordic Semiconductor - Trondheim, Norway

📅 Aug 2018 – Now

📍 Trondheim, Norway

- Master Thesis: Analysis of neural network accelerator in hardware and investigate their performance as per Nordic Semiconductor's domain and requirements.
- Master Project: Study and compare the existing Artificial Intelligent hardware accelerators for low power and compare them to find a best possible solution to be implemented and tested in Master thesis.

Academic

NTNU

📅 Aug 2017 – Dec 2018

📍 Trondheim, Norway

- Designed a RSA encryption/decryption system on FPGA using VHDL. RSA using fast Montgomery algorithm was used to design the RSA system in Xilinx Vivado and implemented on Xilinx FPGA.
- Performed verification of HDLC module in SystemVerilog using SystemVerilog Assertion.
- Designed a digital camera using RTL and VHDL programming.
- Designed a program to control elevators over the network using GoLang.

Summer

SuperEgo AS, MoJob AS, Safenode AS

📅 Nov 2018 – Aug 2018

📍 Trondheim, Norway

- Overvinne-Bokhandelen – a online medical service developed in PHP and RestAPI. Still in development phase. The project is in the pilot phase for Innovation Norge acceptance.
- MoJob Test Floor - a testing framework for both Android and iOS platform using APPIUM and JAVA.
- FlareCC - a control center developed using Angular4 and Firebase API with materialize CSS for styling.

Personal

Ongoing

📅 Aug 2017 – Now

📍 Trondheim, Norway

- Ember Football Simulation – A small football game board simulator created using EmberJS and Tailwind CSS.
- Authentication App (Mobile) - A small react-native app that ensures user authentication using firebase.
- AVP - a virtual world created using python and Arduino Uno.
- More on <https://mmshabab90.github.io/>

PUBLICATIONS

👥 Conference Proceedings

- Shabab, M. M., S. B. Afzal, and M. A. Razzak (2013). "A Combined - and T-type immittance converter for constant current applications". In: *2013 International Conference on Informatics, Electronics and Vision (ICIEV)*.
- Shabab, M. M., T. Latif, et al. (2013). "A constant current sine wave inverter using harmonic injection modulation with T-LCL immittance conversion topology". In: *2013 International Conference on Informatics, Electronics and Vision (ICIEV)*.

LANGUAGES

English



Hindi



Norwegian



MOST PROUD OF



Courage I had

to always accept challenging tasks and deliver them successfully



Persistence & Loyalty

taking ownership in past projects and sticking with it even in it's worst of times



Growth

from having little to no knowledge in software development to trying to master it by learning about new technologies



Achievement

Youngest person to be the manager of the department in my previous employment

REFEREE

Prof. Kjetil Svarstad

@ kjetil.svarstad@ntnu.no

✉ Institutt for elektroniske systemer, NTNU
Elektro B, B319, Gløshaugen, O. S.
Bragstads plass 2

📞 +47 73 59 27 15

Tarique Mahmud Tomal

@ tomal.mahmud@gmail.com

✉ SUPEREGO AS
Kongens gate 30, 7012 Trondheim, Norway

📞 +47 94 10 51 78