

# 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   in linkedin.com/in/meeyad-mohd-shabab/   🌐 <https://mmshabab90.github.io/>

## EXPERIENCE

### Teaching Assistant

#### NTNU

📅 Sep 2018 – Now

📍 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 it's alignment with the CMMI L-5 and ISO 9001 certification requirements and appraise for quality certification.
- Developed test framework in Selenium with JAVA and C to perform automation testing.
- Managed, designed, developed and tested an in-house project in C and ASP.net MVC to automate work process in the organization.
- 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

Credits completed till date: 67.5

### 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