

Muhammad Shamaas

534 Kamran Block, Allama Iqbal Town, Lahore

Github: MuhammadShamaas1997/

04235414441; 03304102452

mshamaas1997@gmail.com

Education

University of Engineering and Technology
MS Electrical Engineering (Power Engineering)

Enrolled September 2018

Lahore University of Management Sciences
BS Electrical Engineering (Power Engineering)

Graduated July 2018

- Attained National Outreach Program 100% fee scholarship and gold medal for academic achievement.

Beaconhouse College Gulberg Campus
A-Level (Pre-Engineering)

Graduated July 2014

- Attained 100% fee scholarship and gold medal for academic achievement.

Beaconhouse School System Garden Town Campus
O-Level (Science)

Graduated July 2012

- Attained gold medal for academic achievement.

Employment History

Pacetech Solutions

July 2019 - Present

Digital marketer

- As a technical sales assistant, my responsibility is digital advertising of electronic gadgets for generation of leads.

Kohinoor Energy Limited Thermal Power Plant

February 2019 - April 2019

Intern

- The valuable opportunity enabled me to learn about the field operation and maintenance procedures for ABB HSG_1600S12 synchronous generators, Modicon 984 PLC, 132/11 kV power transformers and the transmission grid.

Lahore University of Management Sciences

February 2018 - June 2018

Research Assistant

- I completed a research project for development of Software Defined Radio Local Oscillator Bank (3 - 3.5 GHz) using the PLL frequency synthesizers MAX 2871 and HMC 832.

Lahore University of Management Sciences

September 2017 - December 2017

Teaching Assistant

- As a teaching assistant for the course of EE330: Electromagnetic Fields and Waves, I reinforced lessons, checked assignments and invigilated Exams.

Projects

- English Teacher Internship in The Citizen Foundation School, Jhulkey, Lahore. (June 2018 - July 2018)
- Educational visit to WAPDA Foundation Power Transformer Engineering Services Unit (PTESU), Kot Lakhpat Lahore. (May 2018)
- Sony Ericsson Online Training Program. (September 2016 - December 2016)
- Education Ambassador Internship in The Rabtt Foundation. (July 2015 - August 2015)
- Senior year project: Call center simulation in Discrete Event Network Simulator NS-3.26; based on Markov Chain models. The results were compared with a LAN based VoIP call center built to study the effects of network congestion, variable propagation delays and transmission speeds on quality of service.
(<https://electricall.herokuapp.com/>)

Engineering Skills

- Installation and maintenance of Wiring, Machines and Devices.
- Analysis and Simulation of Power Systems, Electronics and Drives.
- Interfacing and Control of Embedded Systems.
- Design and Simulation of Renewable Energy Systems.

Technical Experience

- Engineering Softwares: LabVIEW, PSIM, LTspice, ETAP, Cadence Design Systems, Simulink, PowerWorld, Proteus, Creo Parametric.
- Microcontrollers: Analog Devices, Maxim Integrated, Microchip Technology, Arduino.
- Programming Languages: Assembly Language, C++, MATLAB, Simulink, Verilog, VHDL, JavaScript, Java, SQL, Modelica, Haskell, Mathcad.

Certifications

- Pakistan Engineering Council Registered Engineer (PEC No. ELECT/70924)