Saad Adnan Butt

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Experience

Teachers Assistant Jan 2018 - May 2018
Worked as a teachers assistant with Sir Nauman Zafar at LUMS, for the course Electro-Mechanical Systems (EMS).

Internee At TransFab August 2017
I worked as an Internee in a Transformer manufacturing company TransFab. There I learned the practical design of a transformer.

Research Work

Lahore University Of Management Sciences (LUMS), Lahore January 2017-May 2017
Research Assistant
I worked on making a device and in developing an algorithm that not only detects fall among the patients with Parkinson's disease but also helps in preventing it.

Masters thesis May 2018
I worked on the effect of failures in the PV system on the ROI of the system, in which I modeled the failures using the Markov Reliability model and saw how failures of different components affected the system.

Education

Lahore University Of Management Sciences (LUMS), Lahore August 2016-August 2018
Masters in Electrical Engineering
My area of specialization is Power Engineering.

National university of computer and emerging sciences (Fast-NU), Lahore August 2012-June 2016
Bachelor in Electrical Engineering
My area of specialization is Telecommunication.

Projects

Final year project Fall 2015
Designed the structure and different functionalities of the autonomous waiter. The waiter was able to perform all the tasks a regular waiter can perform but with more efficiency and was economical.

Electricity Theft Analysis Summer 2018
Given the monthly electricity consumption data of one hundred thousand consumers from LESCO, we deviced an algorithm to predict the possible outlier or people who were experiencing non-technical losses.

Boost Convertor Fall 2016
Boost convertor was designed and implemented which was then used to charge three batteries

Maximum power point tracking for the solar panel Fall 2016
Solar panel was connected and sensors were used to track the maximum power point which was then used to charge the batteries.

skills

Can use
Matlab, Keil uVision (Assembly language), MS Visual Studio (C/C++ language), Proteus (Schematics and layouts), Arduino (C language), SQL

I Have a great experience in research and development. I have worked on four different research projects in the past two years.
Excellent at designing circuits
Ambitious and not afraid to try new things
Can work under pressure and prefer team work
Can analyse a given data to produce various results