

Syed Saleem Ahmed

309 W 8th Street, Apartment # 6, Erie, PA-16502
814-790-1376, saleemahmed460@yahoo.com

Seeking for the opportunity to work as a Mobile Device Tester that will well utilize my electrical and RF engineering skills.

EDUCATION

Master of Science, Electrical Engineering
Gannon University, Erie PA (GPA: 3.84/4)

Dec 2011

Bachelor of Technology, Electronics and Communication Engineering

May 2008

Jawaharlal Nehru Technological University, Hyderabad, India (GPA: 3.5/4)

CORE SKILLS

- Good knowledge of 2G, 3G, CDMA, TDMA, GSM and LTE technologies
- Excellent knowledge in fiber optic communications and splicing of fiber optic cable.
- Strong communication and interpersonal skills with good leadership qualities required in a team.
- Supported assistance in solving technical problems in RF engineering.
- Excellent ability to communicate and interpret complex designs to clients.
- Ability to conduct statistical tests to optimize the performance of GSM networks.
- Analysis of drive test data for GSM technology.

TECHNICAL SKILLS:

Programming Languages:	C
Application Packages:	Ms-PowerPoint, Ms-Word, Ms-Excel, Ms-Outlook
Software Applications:	MATLAB, PSPICE, SIMULINK, CAPTURE-CIS, ORCAD-LAYOUT, PLC-SCADA.
Operating systems:	Windows, Mac.

EXPERIENCE:

RF Drive Tester
Glow Networks

April – July 2012

- Tested the signal strength of 4G network of sprint
- Shakedown testing of the network
- Handover testing and reporting the data collected.
- Troubleshooting the UE and collecting data by visiting different sites.

Lab Assistant

Gannon University, Erie-PA

Jan 2010-Dec 2011

- Maintenance of Lab Equipment and Instruments.
- Troubleshoot of mechanical and electrical devices and maintained records of the equipment.
- Producing reports that are generated to the Advisor on bi-weekly basis.

Lab Assistant

January-May 2010

Gannon University, Erie, PA.

- Worked as a Lab Assistant for the project of GPS Navigation of AROBOT.
- Helped in building the electronics circuits and applying GPS co-ordinates for the location of the AROBOT.
- Used PBASIC programming language to program the commands for the AROBOT.

EDUCATIONAL PROJECTS**“Speed control of Electric drives”**

January-May 2011

Gannon University, Erie, PA.

- Open loop speed control of permanent magnet DC motor: Designed and developed the Simulink model for controlling the speed of permanent magnet DC motor which involves DC/DC converter by obtaining the parameters from the equations which represents the permanent magnet dc motor drive system.
- Speed control of DC motor by using cascaded controller: Designed and develop the Simulink model for controlling the speed of a DC motor by cascaded controller by using the method of field flux control method.

“Motion Control Application using ADRC”

August-Dec 2010

Gannon University, Erie, PA.

- Motion Control is the field of Automation in which the system is prone to internal disturbances and external noises.
- ADRC-Active Disturbance Rejection Control is used to remove the disturbances and external noises present in the motion control system.
- ADRC behaviour is compared with PID controller that is sensitive to external noises.
- Developed the mathematical model and Simulink model for the system.

Jawaharlal Nehru Technological University, Hyderabad, India

January-May 2008

- Project Title: Home Automation using TV Remote.
- Role: Team Leader.
- Team Size: 4 Members.

The project provides simple and reliable methodology to control various home appliances from a certain distance. The TV remote that is used is an IR transmitter (RC5). It forms the transmission part of the project whereas the receiver section is managed by an IR receiver (TSOP 1738). Microcontroller AT TINY 2313 controls the programming and the switching process of the project. The relay forms the transmission media.

CORE COMPETENCIES

Electronics Devices and Circuits	Mobile Communication	Fibre Optics
Digital signal processing	Engineering project management	Embedded-C
Advance engineering analysis	Modern control theory	Digital Control
Introduction of Electric drives	Control of Electric drives	Sensors & actuators
Electronic system design and integration	Wireless Communications	Satellite-
Communications		

PROFESSIONAL DEVELOPMENT TRAINING

- Undergone training for 8 months at Special Training Program (STP) programmed by Institute of Electronic Governance (IEG) and sponsored by INFOSYS.
- Developed good presentation skills and ability to deal with timely issues in a project.

WORK AUTHORIZATION

On OPT and authorized to work in USA.