



Muhammad Bilal

Electrical Engineer

An independent and self-motivated Engineering graduate with proven and tested technical, problem-solving and communication skills.

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WORK EXPERIENCE

Internee

Siemens Healthineers

05/2017 – 07/2017

Islamabad, Pakistan

Achievements/Tasks

- Strategic planning for Bio-medical equipment
- Maintenance, installations of various equipment
- Quarterly forecasting the maintenance of machines

PERSONAL PROJECTS

Autonomous Fire Fighting Robot

- Implemented image processing through Opencv2 on Raspberry pi
- Designed body on Solidworks
- Led a team of 3
- Managed project, budgeted, and ensured legal and technical requirements were met

Motion Detection System

- Developed through Matlab using integrated webcam

Propeller Motion Display

- Achieved through 8051 micro-controller using MIDE-51

Student Data Base

- Constructed using AVL tree data structure

EDUCATION

B.S. in Engineering Sciences

Ghulam Ishaq Khan Institute

08/2014 – 05/2018

Topi, Pakistan

Courses

- Control system
- Electromagnetic Theory
- Linear Algebra 2
- Optimisation Modelling

A-Level

Beaconhouse Educational Complex

08/2011 – 07/2013

Rawalpindi, Pakistan

SKILLS

Raspberry Pi

Matlab

Mathematica

MIDE-51

Proteus

Opencv2

Microsoft Office

NI LabVIEW

NI Multisim

Micro-controllers (AVR,8051)

Solidworks

CERTIFICATES

PEC Registered Engineer (07/2018 – 12/2018)

LANGUAGES

Urdu



Punjabi



English



Pashto



INTERESTS

Traveling

Mindfulness

Peer Mentoring

Running

Playing Football

Image processing