



ADEEL SHAHZAD

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EDUCATION & QUALIFICATIONS

Bachelors in Electrical Engineering

Aug 2017 - Current

Control System, Database, Data Structure, Power System and Analysis, Digital System, Machine Learning

Namal Institute, Mianwali

CGPA: 3.2/4

Intermediate in Pre Engineering (FSc)

2016

Superior College Mianwali

Marks: 929/1100

PROFESSIONAL EXPERIENCE

Working

PROJECTS

Final year project

Early forest fire detection system using Internet of Things and Machine Learning.

Movie Search Engine

This is a project of Data Structure module. Movie Search engine will be capable of searching movie according to name and rating (low, average and high)

Digital Lift Design

Designed digital lift embedded system capable of moving between 1st to 10th floor

Automatic Street Lights:

Designed a street light system in which intensity of street light was controlled according to daylight in surrounding

Variable Gain Audio Amplifier

Designed Audio Amplifier that varies its gain depending on control voltage which is controlled by potentiometer

Basic Computer Science Projects

Designed Snakes & Ladders game, Tic-Tac-Toe game and different shape animations in C++

Control system project

Modeling and control of ball and beam system using PID controller

Reboot Car

Car can detect handle's using sonar sensor and can controls its direction using Arduino board.

Machine learning project

Implementation of ID3 and Case based reasoning from scratch. Hand written digits detection up to 5 numbers.

ADDITIONAL EXPERIENCE

- **Personal Tutor**
Local area students of FSc and Matric (Mathematics).
- **Assistant Event Manager**
Namal Idea Club
- **Volunteer**
Namal Society for Social Impact

HONORS & AWARDS

- **Merit base scholarship**
Superior Group of Colleges Mianwali (Intermediate)
Namal College Mianwali (Bachelor)
- **PM Solar panel Awards**
Govt. High School Seelwan, Kundian (Matric)

SKILLS & INTERESTS

- **Hardware designing (Arduino, Microcontroller etc)**
- **Programming (C, C++, python, Verilog)**
- **Snooker 147**
- **Management & Communication**