



MUHAMMAD ARSLAN

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EDUCATION & QUALIFICATIONS

Bachelors in Electrical Engineering

Aug 2017 - Current

Control System, Digital System, Machine Learning, Database, Analog and Digital Circuit, Image Processing

Namal Institute, Mianwali

CGPA: 2.99/4

Intermediate in Pre Engineering (FSc)

2017

Kalar kahar Science College

Marks: 852/1100

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

- **Event Director**
Namal Klub of Arts and Media
- **General Secretary**
Namal Adventure Club

HONORS & AWARDS

- **Merit basescholarship**
Punjab educational endowment fund

SKILLS & INTERESTS

- **Hardware designing (Arduino, Microcontroller etc)**
- **Programming (C, C++, python)**
- **Cricket**
- **Communication**
- **Management**