



# Sawaira Pervaiz

## Electrical Engineer

An electrical engineer ready to dive into the stream of innovation and keen to learn. By profession, I am an engineer but areas of my interests are machine learning and data sciences also I am looking for opportunities in digital marketing and management.

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## EDUCATION

### B.Sc Electrical Engineering Namal Institute

10/2018 - Present

#### Courses

- Data Structures
- Electric Circuits
- Image Procassing
- Machine Learning
- DBMS
- Engineering Mathematics

## PERSONAL PROJECTS

### Final Year Project

- Retinal vessel segmentation using dynamic deep networks

### Water Level Indicator

- Implemented a transistor based water level indicator circuit.

### Light Sensing Lego

- Simulink was used to construct a PID controller for driving a Lego robot.

### Smart Circuit Breaker

- STM microcontroller was used to make this password based smart breaker.

### Traffic Light System

- Implemented a traffic control system using logic gates and 555 timer.

## WORK EXPERIENCE

### Photography Head VON (Voice of Namal)

12/2018 - Present

As a photography head I have covered different events of societies.  
Manage social media

### Event Manager NKAM (Namal klub for arts and media)

12/2018 - 12/2020

As an event manager, I worked with team of 30 people and arranged Annual play.

### Assistant Marketing Manager IEEE (Institute of Electrical and Electronics Engineers)

02/2019 - 10/2019

### Volunteer NSSI (Namal society for social impact)

12/2018 - Present

In Social impact society, I volunteer for blood drives .

## SKILLS

Data Mapping

Machine Learning

PCB designing

PPT

MS Excel

C++

Matlab

SQL

Pspice

Arduino

Proteous

## ACHIEVEMENTS

Full Merit Scholarship in Bachelor of Electrical Engineering.

## CERTIFICATES

### Machine Learning

Coursera

### Online HarvardX course

Introduction to digital humanities course offered by HarvardX.

### Data Visualization and Analysis

Two days workshop on data visualization and analysis on python.

### C++

Solo Learn

## LANGUAGES

### English

Full Professional Proficiency

### Urdu

Native or Bilingual Proficiency

## INTERESTS

Digital Marketing

Video Editing

Acting

Machine Learning

Management

travelling