
ZARTASH KANWAL

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PROFESSIONAL SUMMARY

To practice my research and teaching skills with innovation using emerging smart technologies in Computer Science and Information Technology.

ACADEMIC PROFILE

| DEGREE/ EXAMINATION PASSED | UNIVERSITY/BOARD | LOCATION |
|----------------------------|--|------------------------|
| MS(CS)/Mphil | University Of Balochistan | Government University. |
| BS(CS) | Sardar Bahadur khan Women University. | Semi-Government. |
| ICS | F.G. Degree College. | Federal Board. |
| MEDICAL | Sacred Heart Girls High School Quetta. | Balochistan Board. |

PUBLICATIONS

- Overlapped Apple Fruit Yield Estimation Using Pixel Classification and Hough Transform.
- Predictive Human Resource Analytics using Data Mining Classification Techniques.

WORK HISTORY

Worked as a Office administrative in St. Mary's school, Quetta from 3.06.2019 to 20.04.2023.

Worked as a visiting lecturer in the department of faculty of pharmacy and health sciences in University of Balochistan from 16.03.2017 to 24.05.2019.

| ORGANIZATION | JOB TITLE | DURATION | SUBJECTS/ RESPONSIBILITIES HANDLED |
|-------------------------------------|---------------------------------------|---------------------------|---|
| St . Mary's School, Quetta | Office administrative and coordinator | June 2019 till April 2023 | Handling administrative tasks. |
| University of Balochistan, Pakistan | Visiting Lecturer | March 2017 till May 2019 | Computer and its Application, Functional English. |

CERTIFICATIONS

| COURSE | INSTITUTE | YEAR |
|------------------|-----------|------|
| Ms Word | HELI | 2007 |
| Internet | HELI | 2007 |
| English Language | HELI | 2008 |

COMPUTER SKILLS AND EXPERIENCE

| COMPUTER LANGUAGES | GRAPHICS | WEB DEVELOPMENT |
|---|---|--|
| <ul style="list-style-type: none"> ➤ C/C++ ➤ VB.NET ➤ ASP.NET ➤ VPL ➤ Python ➤ Weka | <ul style="list-style-type: none"> ➤ Adobe Photo Shop CS. ➤ Adobe Page Maker. | <ul style="list-style-type: none"> ➤ HTML ➤ Dream weaver ➤ Front page ➤ ASP. Net |

PROJECTS & WORK DONE

MAJOR PROJECT:

1. Robot Programming.

“OBSTACLE DETECTION AND AVOIDANCE ROBOT”.

Project Description

I developed an autonomous obstacle detection and avoidance robot.

It is an intelligent robot that detects any obstacle present in its way and if found, changes its direction automatically.

- The system contains Microcontroller, Motor Control, IR sensors, Transistors, Crystal, Jumper, Wires, Led’s, Breadboard, Breadboard Wires, AA Batteries, etc.
- The Microcontroller I used is the PIC 18F252. Motor controller that I used in the Robot is the SN754410. IR is used as sensor to detect the presence of objects. It is basically a distance measuring sensor unit.
- Robot consists of two motors, which control the side pair wheels of each and help in moving forward and backward direction and after detecting the obstacle it hits the obstacle and stop.

Technology Used:

MPLAB, Windows 7.

Responsibility:

My responsibilities were to code and to documentation.

OTHER PROJECT:

2. Database Programming.

Project Description

Student Portal

Student Portal is a web application/three tier application created. This project was based on updating the current information and status of existing and upcoming students who wants to see their date sheets, subjects offering in next semester, fees, marks etc. Users can view their grades from subjects they've already taken. The project assigned by my professor.

Technology Used:

Visual Studio, Photoshop, CSS was used to accomplish this project.

ACHIEVEMENTS

- Technology Award in Innovation Summit 2017 by University of Balochistan.
- Diploma in MS Word, and in Internet.
- Diploma holder in English Language.

TRAININGS/WORKSHOPS

- Two days conference on “*International Conference on Pharmaceutical Sciences*” conducted by Faculty of Pharmacy & Health Sciences held at UOB, Quetta on 26-27th September, 2018.

PERSONAL PROFILE

FATHER’S NAME: Mohammad Ilyas.
GENDER: Female.
DATE AND PLACE OF BIRTH: April 15th, 1988. Quetta.
MARTIAL STATUS: Single.
NATIONALITY: Pakistani.
RELIGION: Islam.
CAST: Punjabi.
CONTACT NO: 0331-8385296.
E-MAIL ADDRESS: kanwal_zartash@yahoo.com
DOMICILE: Quetta.
PROVINCE: Balochistan.
PERSONAL STRENGTH: Leadership skills, Self-confidence, Optimism and Hard working.
PERMENENT ADDRESS: Gulf Villas Haji Khalil Street
Gowal Mandi Chowk
Quarry Road Quetta.

DECLARATION: I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

References are given on Request.