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MARIYUM JAMSHID

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Parsi Anjuman Compound, Pakistan Chowk, Karachi, 74200, Pakistan

OBJECTIVE

To share my skills and knowledge with the upcoming generations, nourishing the minds of youngsters towards a positive and brighter future.

PROFESSIONAL SKILLS

Cadence Aalegro

C/C++

Cadence Orcad

Multisim

PIC Microcontrollers 16F and 18F Series

LabView

MatLab

Visual Basic.Net

DipTrace

Windows

(C++ for PIC, ATMEL, STM32)

MY EXPERIENCE

TRAXLOGIC

PROJECT MANAGER (2015 – 2021)
- Develop business strategies
- Invest into new product ideas

RND ALTANOVA

DESIGN ENGINEER (2013 - 2016)
- Designing of High performance load boards, evaluation boards & probe cards.
- Preparing schematics and designing layout of High frequency, controlled impedance multi layer PCB's utilizing multiple tools.
- Creating footprints of SMT and through hole components including discrete components, IC's, BGA sockets etc.
- Creating net list report, net length report, BOM and capacitance of each design.

RESPAK

RESEARCHER (2012 – 2013)
- Study, Design and Develop technological solutions for the current market need.

PSO

INTERNEE MARKETING (2011 – 2011)
- During the internship period the key learning was about the Marketing tactics, being an Engineer and having the opportunity to learn about Marketing practically provided me a chance to enhance my skill set and thing out of the box.

WORKSHOPS

Robotics workshop – by Jamshid Dastur (Hardware System Developer, Pakistan Air Force) during March, 2010

MY EDUCATION

- **Master of Engineering (M.Eng.) in Electronic Engineering (Industrial Electronics)**
  2013 – 2017 NED University of Engineering & Technology, Karachi

- **Bachelor of Engineering (B.E.) in Electronic Engineering**

1st Year	2nd Year	3rd Year	4th Year	Aggregate
3.7 GPA / 81%	3.3 GPA / 79%	3.3 GPA / 79%	4 GPA / 86%	3.7 GPA / 83%

- **High School Certificate (Intermediate in Pre-Engineering) (84.7%)**
  2008 - From BAAM P.E.C.H.S College For Women

- **Secondary School Certificate (Matriculation in Science) (88.4%)**
  2006 - Gulistan Shah Abdul Latif Bhattai School

INTERESTS

- PCB Designing and Fabrication
- Software Development
- Embedded Systems
- Machine Vision
- Robotics

ACHIEVEMENTS

- Nominated for participation in ITCN Asia 2012 from NED University.

- Participated in NUST National Engineering and Robotics Competition NERC 2012

- Runner-up in NED SENTEC All Pakistan Hardware Competition 2011

- Participated in KOSHISH Foundation Student Engineering Project Competition 2011

- Participated in NUST Discover Entrepreneurship Competition 2011

- Nominated and Participated in National Instruments Mine Detection Robotics Competition 2010

SELECTED PROJECTS

- **Artificially Intelligent Perception Generation – Final Year Project – 2012 – Using Matlab and C Language**

  A robot has been designed with the algorithms of self learning, and response generation to the environment as developed by the humans. The robot works on the AI principles of self learning and database generation.

- **Hand Gesture Recognition – 2012 – Using Matlab**

  This project was designed to communicate with the dumb people converting their sign language to vocal alphabets.

- **Automatic Vehicle Guidance System – 2012 – Using Embedded C and VB**

  This project was designed to operate a vehicle automatically allowing it to arrive to destination without any driver assistance.

- **Autonomous Robot for National Engineering and Robotics Competition – 2012 – Using Embedded C**

  An autonomous robot was designed for the NERC National Engineering and RoboticsCompetition 2012, where the theme role was to solve a maze and pot colored balls.

- **Geo Path Finder – 2012 – Using Embedded C and VB**

  An algorithm was designed allowing user to provide the source and destination positions and the system used to provide guided map for the driver assistance.

- **Vehicle Tracker – 2012 – Using Embedded C**

  A vehicle tracker was designed based on GPS/GSM which used to provide the exact latitude and longitude of the vehicle to user on mobile.

- **Color Based Packaging Robot – 2011 – Using Embedded C**

  A robot was designed which detects the color of package and loads and places the package at appropriate load line.

- **National Instruments Mine Detection Robotics Competition – 2010 – Using Embedded C**

  Designed modules for the National Instruments Mine Detection Robotics Competition as a participant from team NED.

- **Robotic Arm – 2010 – Using Embedded C and VB**

  Robotic arm was designed to detect the object passing and pick and place the object.

References

- Atif Khan
  Manager IT, PPHI, Karachi
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- Engr. Abdul Samad
  Project Manager, Schneider
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